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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

No. 3044
VOL. CXXVIII JUNE 11, 1938 Annual Subscription (with Diary) 20/-. Single Copies 9d.

Thousands are asking -

WHERE CAN WE GET

EMPROTE

THE BODY-BUILDING PROTEIN FOOD FOR FITNESS

ARE YOU A STOCKIST

If not, your Wholesaler can supply immediately. Generous free Samples and Booklets for distribution available on application.

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FOODS CO. (PROPRIETORS:—GEORGE KING & CO. LTD.)

ALBION FOOD MILLS, KINGSBURY, LONDON, N.W.9 Telephone: COLindale 8050/6069

Index to Advertisers, pp. 5 & 6.

BULK DRUGS - DISINFECTANTS - TOILET PREPARATIONS - PACKED PHARMACEUTICALS

WRIGHT, LAYMAN & UMNEY *ltd*

In Demand Now

WRIGHT'S LYSOL (C.F.)
WRIGHT'S DISINFECTING FLUID (C.F.)

Both of these preparations carry special bonus offers for the summer and show excellent profits

Elegant Summer Preparations

EFFERVESCENT CITRATE OF MAGNESIA
Plug-stoppered Cheltenhams, Blue Flats and Kalis

HEALTH SALT
Tins and Kalis

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Plug-stoppered Bottles

WRIGHT'S SALINE (C.F.)
7/- doz. PATA 10½d. Retail 10/- doz. PATA 1/3 Retail

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SUNBURN LOTION
SUNBURN CREAM
SUNTAN OIL
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"A reputation that is sound and enduring is more valuable than a passing success, however spectacular, and it cannot be built up in a day."
For 50 years a policy of supplying only the finest pharmaceutical preparations at reasonable prices has been consistently maintained.

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Phillips' Dental Magnesia

is on more bathroom shelves

TODAY

BECAUSE . . .

DAILY AND WEEKLY NEWSPAPERS throughout the United Kingdom are regularly carrying advertisements, recommending Phillips' Dental Magnesia as the ideal tooth paste.

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The tremendous selling power of these, all unite to make more Phillips' Dental Magnesia customers and sales for you

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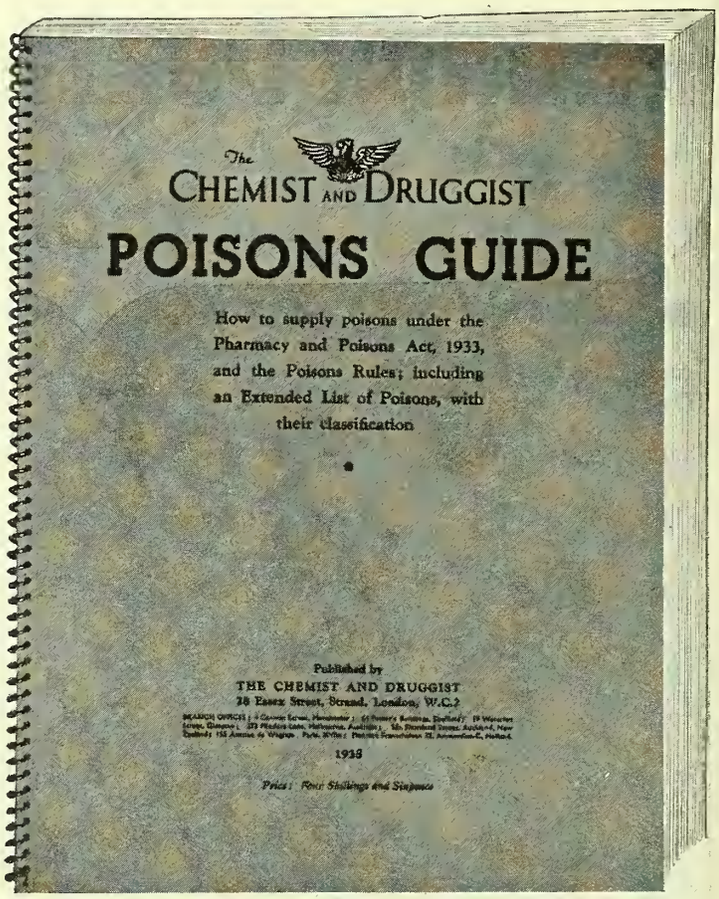
A A

A New POISONS GUIDE

The Chemist and Druggist Poisons Guide 1938

Revised to include all changes in Poisons legislation up to December 31, 1937



THE MOST COMPLETE POISONS GUIDE OBTAINABLE

Over five hundred additional entries. New articles on Poisons Control, Wholesale Dealing, Veterinary Medicines, Characters and Containers, and a Poisons Labelling System. Glossary extended and improved as a result of two years' practical experience in dealing with the everyday difficulties of retailers, wholesalers and manufacturers.

Half as big again as the first edition published two years ago

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Please send me/us ..... copy/copies of The Chemist and Druggist Poisons Guide

Affix Address Label here .....

Postal Order for ..... herewith

Price 4'6 4/9 Post Free

Supplies also available through your usual wholesaler.

INCREASE YOUR SUMMER SALES WITH

Crookes'

HALYCITROL

A cooling and refreshing drink rich in vitamins A, C and D

Halycitrol presents Halibut Liver Oil, pure orange juice and glucose in a most palatable form.

On thirsty summer days it sells well as a popular drink — cool, refreshing and invigorating.

Halycitrol is easily taken at all times by the most fastidious invalid or delicate child. Specially suitable for recommendation where a malt extract product is unnecessary or contra-indicated.

PRICES: C.F. AND P.A.T.A.
4 oz. - - - 2/-
8 oz. - - - 3/6

THE CROOKES LABORATORIES (*British Colloids Ltd.*) PARK ROYAL, LONDON, N.W.10
Telephone: Willesden 6313 (5 lines) Telegrams: Collosols, Harles, London.

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STOCK THIS NEW LINE!

A NEW CHOCOLATE FOR DIABETICS

THIS CHOCOLATE

is extremely palatable and is therefore a suitable addition to the dietary of diabetics . . . and because Cadbury's have unlimited facilities for laboratory research and the subsequent manufacture and marketing of such a product it sells at a very low price

● *Further details and an analysis with a sample of this Special Chocolate will gladly be forwarded to anyone interested. Please write to . . .*
Cadbury's Laboratories
Bournville

CADBURY BROS. LTD., BOURNVILLE

INDEX TO ADVERTISERS

Acton Pill & Tablet Co., Ltd. (Uricure Tablets) xiv
Allen, Stafford, & Sons, Ltd. (Gum Acacia) 5
Association of Manufg. Chemists, Ltd. Col. Supp.
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) ..... Cover iv

Bailey, R., & Son, Ltd. (Cotton Wool, &c.) xii
Barker, R. W., & Co. (Patent Agents) xiv
Battles, Ltd. (Vermin Killer) xv
Bayer Products, Ltd. ('Adalin') Leader Page
Beatson, Clark & Co., Ltd. (Non-Drip Bottle) xiii
Bell, John, Hills & Lucas, Ltd. (Lotil Sun Tan Lotion) ..... Leader Page
Berton, Arthur, Ltd. (Sponge Bags, &c.) x
Blackie, R. (Denfix, &c.) 18
Blackwell, Hayes & Co., Ltd. (Fermo-Lac Flour) ii
Blythe, W., & Co., Ltd. (Chemicals) ... iii
Blyton, Astley & Co., Ltd. (Lozenges, &c.) xiv
Boots Pure Drug Co., Ltd. (Protamine Insulin) ix
Brook Parker & Co., Ltd. (Tablets, Pills, &c.) xiv
Burgoyne, Burbidges & Co., Ltd. ("Regulators," &c.) i
Burrough, James, Ltd. (Alcohol for Perfumery) ..... Leader Page
Burroughs Wellcome & Co. ('Tabloid' Ephedrine Hydrochloride) 17

Cadbury Bros. (Diabetic Chocolate) ... 4
Campbell, J. D. (Nicotine Insecticides) xv
Cartwright, W. B., Ltd. (Moorland Indigestion Tablets) 6
Chemist and Druggist, The ... 2, Leader Page
Christy, T., & Co., Ltd. (Page Barker Lotion) 12
Coates & Cooper, Ltd. (Forapin) v
Cooper McDougall & Robertson, Ltd. (Vermin Powder, &c.) 16
Cooper, Son & Co., Ltd. (Cachets) Leader Page
County Perfumery Co. (Brylfoam) 8
Cox, A. H., & Co., Ltd. (Pills and Tablets) 8
Critchley, C. A., & Co., Ltd. (Raspberry Vinegar) ..... Leader Page
Crookes Laboratories (Halycitrol) 3

Ebe Products, Ltd. ("Minus" Slimming Treatment) 9
Et-O-Bax Co. (Headache Tablets) vii
Evans, Gadd & Co., Ltd. (Drugs, Galenicals, &c.) ii
Fellows Medical Manfg. Co., Ltd. (Fellows Syrup) vi
Fennings, A. (Children's Cooling Powders) ..... Leader Page

Gale, Baiss & Co., Ltd. (Manufacturing and Packing) ..... Cover iv
Gardner, W., & Sons (Glos.), Ltd. (Machinery) 12
George, Ernest J., & Co. (Valuers, &c.) ..... Col. Supp.

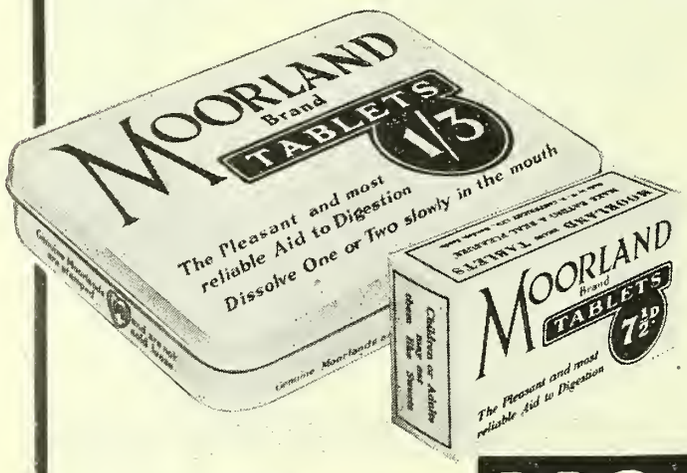
Hackett, S. E. (Film Overstocks) Col. Supp.
Hampden Residential Club ..... Col. Supp.
Hampson, F., Ltd. (Bottles) xi
Harris, Hart & Co., Ltd. (Epsom Salts, Glauber Salts, &c.) iv
Heward, R. H., & Co. (Surgical Appliances) ..... Cover iv
Hewlett, C. J., & Son, Ltd. (Antiseptic Cream) v
Hill, Thos., Engineering Co. (Hull), Ltd. (Bottle Washing Machinery) ... 14
Hobson, Trimble & Co., Ltd. (Feet Plaisters, &c.) xiv
Howard, Lloyd & Co., Ltd. (Pills, Tablets, &c.) ii

[*Continued overleaf.*

INDEX—cont.

Jacquesil Fabrics, Ltd. ('Dawn' Face Cloths) 10
Jefferson & Son ("Hernicura," Trusses, &c.) xii
Josephs, Philip, & Sons, Ltd. (Shopfittings) .....Col. Supp.
King, G., & Co., Ltd. (Emprote Food) Front Cover
Kraska Co., Ltd. (Liquid Nail Polish) 13
Laboratories, The (Own Name Cosmetics) 13
Lauder, L. T. (Filling Machines) 14
Lawrence, G. H., Ltd. (Razor Blades, &c.) 14
London & Provincial Factors, Ltd. (Wanie Blades) 13
London College of Pharmacy xv
Matthews, D., & Sons, Ltd. (Shopfittings) .....Col. Supp.
Maund, F., & Berg, E., Ltd. (Showcases) xiv
Mawdsley, D., & Co. ('Prophics') x
Methylating Co., Ltd. (Methylated Spirit) 18
Mills, H., & Sons, Ltd. (Shopfittings) ... 12
Mono Containers, Ltd. (Mono Liner) ... xv
Monsanto Chemicals, Ltd. (Benzoates) Cover iii
Mundet Cork Products, Ltd. (Corks and Stoppers) .....Leader Page
National Association of Opticians xiv
National Glass Works (York), Ltd. (Bottles) xvi
Norma Technical Products, Ltd. (Telerazor) 10
Norwegian Cod Liver Oil viii
Old Strand Chemical & Drug Co., Ltd. (Pharmaceutical Chemicals, &c.) xiv
Orridge & Co. (Valuers, &c.) .....Col. Supp.
Patent Phosphates and Merchandise, Ltd. (Rice Starch) vii
Perken, Son & Co., Ltd. (Clinical Thermometers) x
Pharmaceutical Lanoline Co. (Lanoline) vi
Pifco, Ltd. (Sharpex Blade Sharpener) 13
Pindar, J. W., & Co. (Pharmaceutical Machinery) xiv
Potter & Clarke, Ltd. (Wholesale Druggists) 15
Proprietary Agencies, Ltd. (Phillips' Dental Magnesia) 1
Reynolds & Branson, Ltd. (Surgical Sundries) xiv
Rivista Italiana delle Essenze dei Profumi e delle Piante officinali xii
Robinson & Sons, Ltd. (Mene Towels)... xii
Roura & Forgas (Quicksilver) iii
Rudduck & Co. (Shopfittings) .....Col. Supp.
Salter, G., & Co., Ltd. (Baby Weigher) 10
Samona, Ltd. (Samona) vii
Schweppes, Ltd. (Sugar-Free Ginger Ale, &c.) viii
Scott & Turner, Ltd. (Andrews Liver Salt) vii
Scurr, C. A. (Optical Tuition) xiv
Simpkin, A. L., & Co., Ltd. (Confectionery) v
Singleton & Cole, Ltd. (Tobacco, &c.) xiv
Smith, T. & H., Ltd. (Alkaloids) iii
Solport Bros., Ltd. (Watersprite Face Cloths) 13
Southalls (Birmingham), Ltd. (Sanitary Towels, &c.) .....14, x
South of England College of Pharmacy xv
Sterns, Ltd. (Oils, Petroleum) iv
Sumner's Ty-phoo Tea, Ltd. ...Leader Page
Suter, A. F., & Co., Ltd. (Gums) iv
Suttley & Silverlock (Chemists' Printers) xvi
Thomas & Linton, Ltd. (Everhot Bags, &c.) xiv
Tomlinson & Hayward, Ltd. (Eureka Weed Killer) .....Leader Page
Tonicity Laboratories, Ltd. (Halmagon Tablets) xi
Town Talk Polish Co. (Liquid Silver Polish) vi
"Two Steeple" Original Record Syringes xiv
Viosulfal, Ltd. (Assimilable Sulphur, &c.) xiv
Wagner, R. V. (Dry Bottle Caps) 12
Watson, Joseph, & Sons, Ltd. (Eve Shampoo) 7
Woolley, J., Sons & Co., Ltd. (Nurona Sun Tan Cream) 11
Wright, Layman & Umney, Ltd. (Summer Preparations, &c.) .....Cover ii
Zeal, G. H., Ltd. (Clinical Thermometers) .....Cover iv

BIGGER DEMAND . . .
INCREASED ADVERTISING



"More and more Moorlands" again forms country-wide sales reports. Side by side with the original 7½d. Moorlands, the 1/3d. flat tin is irresistibly forging ahead. New display material is also stimulating the demand for this ever-popular remedy for Heartburn, Indigestion and Flatulence. Increased sales have led to increased advertising – National press – Bus posters – enamelled signs and cinema slides. Secure your share of the generous profits assured by National advertising of this all-the-year-round popular seller.

The Public will have

MOORLAND
BRAND
INDIGESTION TABLETS

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

The Big Five reasons why

EVE IS PROVING THE MOST POPULAR SHAMPOO ON THE MARKET!

1 EVE BEAUTIFIES leaves hair soft, lustrous, in perfect *natural* condition.

2 EVE BENEFITS both hair and scalp—frees the hair from dandruff, with its attendant troubles; enables scalp pores to breathe, glands to function normally.

3 EVE IS SAFE no harmful alkali. Mild, yet efficient, Eve cannot affect the structure of the most delicate hair—doctors recommend Eve for children.

4 EVE CLEANSES gently, yet quickly and thoroughly. No soap in Eve, therefore no unhealthy lime-scum.

5 EVE AIDS SETTING because it leaves no clogging deposits to make hair "difficult." More, Eve cleanses away all scalp waste and dandruff—makes hair manageable.

Three years of public trial have proved the popularity of Eve Shampoo Powder. Now the same shampoo is also in CREAM form. A handy 6d size containing 3 shampoos, in an easy-to-use tube. Every day more and more people are using Eve.

The basic reasons for the success of Eve Shampoo Cream and Powder are not hard to find—they are *the five big advantages which made Eve the first trouble-free soapless shampoo on the market.*

If you have not already seen the new book "Lovely Hair" by Pierre Auguste, send your trade card to Joseph Watson & Sons Ltd., Department W. 3, Leeds. You will receive your copy by return post.

DISPLAY AND RECOMMEND

Eve Shampoo

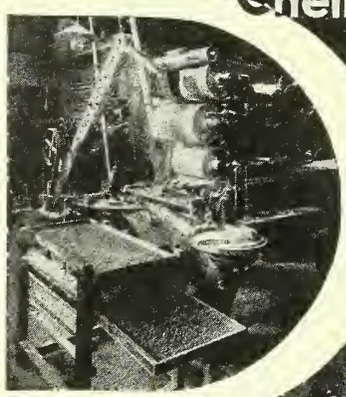
POWDER 2D PER PACKET

CREAM 6D THREE SHAMPOOS

EVT 3-29A-100 JOSEPH WATSON & SONS LTD., LEEDS

Private Formula work

Pills and Tablets
manufactured under the control of
Analytical and Qualified Chemists



ONE OF OUR LARGE PILL MAKING MACHINES

Below: SPECIAL COATING

Coated or Uncoated

Bulk or Packed

A SECTION OF OUR BOX MAKING AND SHOW-MATERIAL DEPT.

Exceptionally keen prices

COX Estab. 1839
ARTHUR H. COX & Co. LTD.
of BRIGHTON

MORE & MORE FAMILIES ARE FINDING IT'S

Quicker to shampoo by tube!

BRYLFOAM

THE *Family* SHAMPOO

● Are you getting your full share of this new and lucrative business? There's a big profit to be made—37½%—on every tube of BRYLFOAM you sell. And one retailer disposed of actually no less than five dozen tubes in four days.

Send for attractive show material. Link up with the current National advertising—and keep BRYLFOAM well displayed. Remember, only chemists and hairdressers sell BRYLFOAM.

Not sold by Chain Stores or Grocers

37½% PROFIT ON EVERY TUBE!

PLEASE POST THIS COUPON

To: The County Perfumery Co., North Circular Road, West Twyford, London, N.W.10

Please ask traveller to call.

NAME .....

ADDRESS .....

Introducing MINUS

A GRAND AND NEW IDEA IN

SLIMMING

sponsored by EBE PRODUCTS, LTD., manufacturers of the famous Bath Products

"MINUS" is a scientific slimming treatment that is different. "MINUS" is a special kind of slimming salt that is taken in the form of a bath. The treatment is simple, logical and pleasant. No dieting, no drugs, no exercises of any sort are required, yet each "MINUS" treatment, on an average, proves that a person will lose from 1 to 2½ lbs. in weight.

"MINUS" can mean real profits to you. A reliable slimming product finds an ever-welcome market—and a regular market, too!

Recently EBE Products, Ltd., carried out a test campaign for "MINUS" and results have quickly proved that there will be a big demand for this line in a very short time. Production facilities are now completed and widespread editorial and advertising in National Magazines and Newspapers is to start, besides the regular campaign for EBE BATH POWDERS which will lend additional support to "MINUS."

STOCK UP NOW WITH MINUS—
the commonsense way to slimness

MINUS Retails at **2/6** per packet
(enough for 1 bath)

With each packet of 'MINUS' a thermometer is supplied **FREE**

Remember! MINUS means 'Plus' to You!

EBE PRODUCTS, LTD., 11, DIANA PLACE, LONDON, N.W.1—EUSTON 3271

Each One Sold Sells Another

Refill Battery lasts 2 Months Retail, 2d.

That's what is happening with the TELERAZOR. Men are naturally enthusiastic on finding a razor that positively ends "scrape!" The TELERAZOR stands alone as the perfected self-contained *electric safety* razor. It does *not* have to be plugged into the mains. Operated by a tiny replaceable battery in the handle, convenient and safe, it really makes shaving a pleasure. It's time *YOU* sold the TELERAZOR.

21/- RETAIL

BRITISH PATENTS:
444,592 442,871
429,964 450,687
451,870

Patents granted in all leading countries
Write for illustrated leaflets and showcards to:
NORMA TECHNICAL PRODUCTS LTD.,
Balfour House, Finsbury Pavement, London, E.C.2

The NEW Automatic-Electric
TELERAZOR Regd
BRITISH MADE

ANNOUNCING —

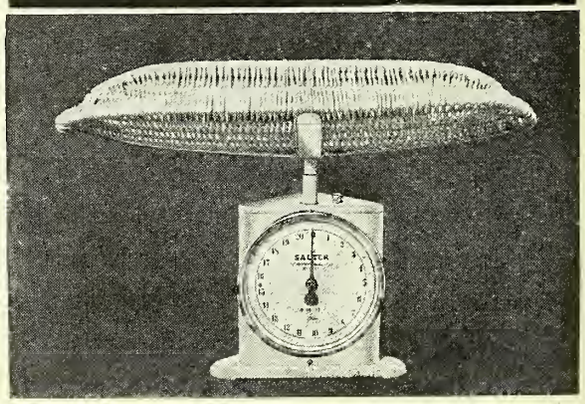
A NEW INEXPENSIVE
'DAWN'
FACE CLOTH
IN
ASSORTED COLOURS

Each carton contains 2 doz. and is fitted with a "CELLOPHANE" lid to ensure protection of contents during display.

Obtainable from your usual wholesaler.

Jacquesil Fabrics Ltd
105/107 Princess St., MANCHESTER
London Agent: G. H. Bolton, Oxford Hse., Falcon Sq., Aldersgate St., E.C.1

The
IDEAL BABY WEIGHER



The 52B is a high quality balance, fitted with "Quick-stop" mechanism. The dial is now enlarged to 6½", is glass covered, and has a chrome-plated rim. It is especially suitable for nurseries and clinics. Complete list of all balances and personal scales available from

SALTER
GEO. SALTER & CO. LTD.
DEPT. (C4), WEST BROMWICH

Are you ready for NURONA's 5th year of popularity?

This is a one-colour reproduction of the **FULL COLOUR "NURONA" SHOWCARD** *for the 1938 season.*

WHITE OR TAN
4 oz. size, 1/-

New Trade Price
(from May 1st)
7/6 per dozen

Bonus terms on application

Also NURONA Sun Tan OIL
4 oz. size, 1/-

Biggest Value in SUN

- TANNING
- PROTECTION
- BURN RELIEF

Nurona was the first "TRIPLE-PURPOSE" Sun-tan Cream. Made to a formula originally designed for sun-ray practitioners, its efficiency remains unsurpassed.

Nurona assists rapid tanning—it prevents sunburnt skin—it relieves painful sunburn. The price is as popular as the product, too. At 1/- a bottle it finds a ready sale.

GET YOUR STOCK EARLY

JAMES WOOLLEY, SONS & CO., LTD., Victoria Bridge, MANCHESTER

Dr. Page-Barker's
Scurf & Dandruff Lotion

The recognised specific for SCURF and DANDRUFF

Now made in
TWO SIZES

STANDARD 18/- doz. Retail 2/6
FAMILY SIZE 24/- doz. „ 3/6

P.A.T.A.

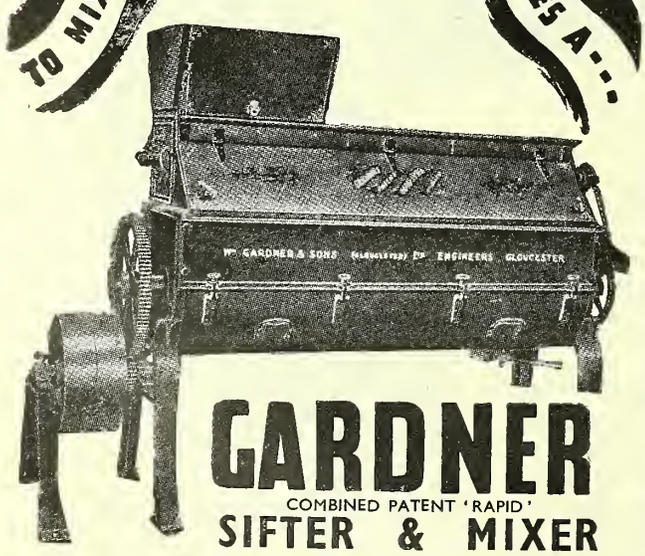
Three bottles free with every 3 dozen
Smart showmatter with all orders

A MONEY-BACK GUARANTEE WITH EVERY BOTTLE

Sells on its reputation to those who know, and on its guarantee to those who don't

THOS. CHRISTY & CO., LTD.
4-12 Old Swan Lane, London, E.C.

TO MIX A SCRUPLE WITH POUNDS TAKES A...



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COMBINED PATENT 'RAPID'
SIFTER & MIXER

Capacities from a few pounds to many tons
WM. GARDNER & SONS (Gloucester) LTD.
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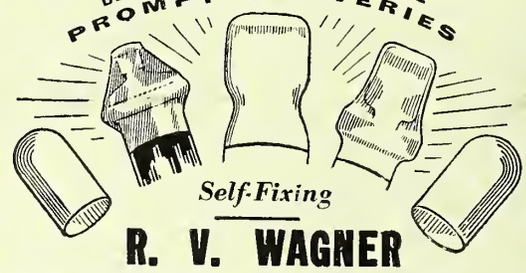
WAGNER'S DRY BOTTLE CAPS
BEST IN QUALITY & APPEARANCE
PROMPT DELIVERIES



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WE HAVE BEEN FITTING PHARMACIES FOR OVER 50 YEARS IN ALL PARTS OF OUR EMPIRE.

H. MILLS & SONS Ltd.
CHEMISTS' SHOPFITTERS
AND SHOPFRONT MANUFACTURERS
163-5 OLD STREET, LONDON, E.C.

Let us design your Pharmacy.
Always a Large Stock of New and Second-hand Fittings.

SEND US YOUR ENQUIRIES.

The Very Finest Coloured Face Cloth Retailing at 6d. !

The New "G.218c" "Watersprite" Non-Stretch Face Cloths must not be confused with similar lines of inferior quality. "Watersprites" are made from a fine material of regular weave, and not from waste yarn. They last longer, wash better and keep perfect in shape and colour. The special non-stretch cloth avoids all tendency to sliminess, and has a delightfully soft frictional cleansing action in use.

The New No. "G.218c"

Watersprite FACE CLOTHS

Now available to retail at

6D. EACH

ASSORTED SIX DELICATE COLOURS EACH CELLOPHANED, IN BRIGHT DISPLAY CARTONS OF ONE DOZEN

PRICE

4/-

DOZEN

HAVE A TRIAL LOT FROM YOUR WHOLESALER

Manufactured by

SOLPORT BROTHERS LIMITED, 184-192 GOSWELL ROAD, LONDON, E.C.1. Clerkenwell 2472 (3 lines)

OWN NAME COSMETICS PACKED OR BULK

An extensive specialised experience is at your service. Keenly interesting prices are worth investigating. Ask us to Quote. Strictest confidence.

THE LABORATORIES, 61 Eagle St., London, W.C.1 (3

KRASKA Liquid Nail Polish ***for bigger profits !***

BONUS TERMS

50/- parcel, with free bonus yields **£4.4.8**

£5 parcel, with free bonus yields **£9.18.0**

Smaller quantities 13 to the dozen

All the newest shades, Cream or Transparent

The Kraska Co. Ltd.

65 PORTOBELLO ROAD, LONDON, W.11

WANIE BLADES

KEEN EDGES
KEEN PRICES

The market is already made for all who stock the Wanie Blades.

THREE HOLE TYPE
8/- gross. Retail 12 for 1/8

AUTO TYPE
9/- 100. Retail 10 for 1/8

EVER-READY TYPE
9/- 100. Retail 10 for 1/8

33⅓% IS YOUR PROFIT

DISPLAY SHOWCARDS FREE TO ALL STOCKISTS

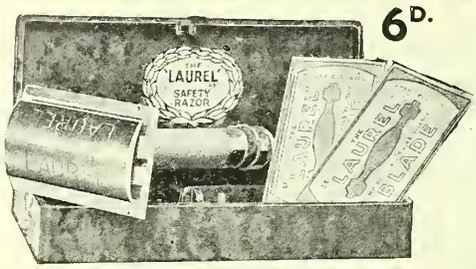
Dealers and Wholesalers should write for FREE SAMPLES and Trade Terms.

LONDON & PROVINCIAL FACTORS LIMITED
146. THEOBALDS ROAD. LONDON. W.C.1.
and at 16 Withy Grove. Manchester.

SHAVE WITH A "LAUREL"

6D. "LAUREL" PENNY BLADES—ALL TYPES

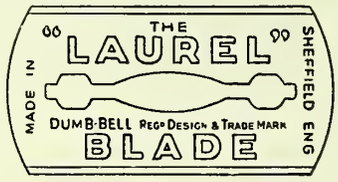
MADE IN SHEFFIELD, ENGLAND



"LAUREL" DUMB BELL RAZOR

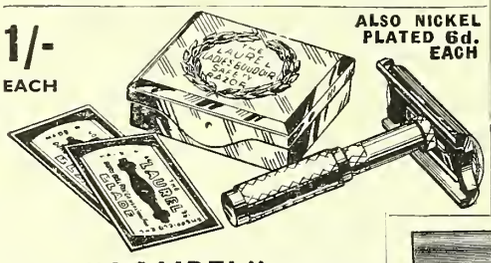
PENNY BLADES FOR YOUR RAZOR

PACKET OF SIX BLADES FOR 6d.



1/- EACH

ALSO NICKEL PLATED 6d. EACH



FITS ALL 3 PEG HOLDERS

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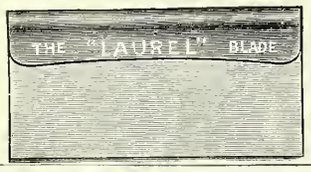
COMPLETE WITH TWO BLADES AS ILLUSTRATED



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We manufacture various types of smaller filling machines, and invite correspondence on your filling problems.

"*It pays for itself almost at once.*" It is used by all the leading manufacturing chemists, perfumers, etc., etc., at Home and Abroad. Is a really sound engineering job—not a toy—will give many years of trouble-free service, and fills almost any type of liquid into sprinkler neck or ordinary containers with maximum speed. Made in strong Stainless Steel in sizes of 2-gallon capacity upwards.

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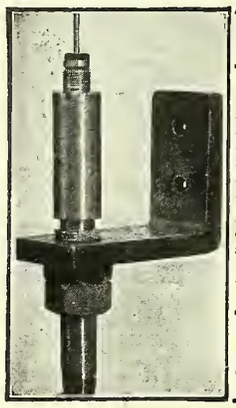

SPRINKLER BOTTLES

Automatic Rinsing

Can be connected to the town's water supply by metal or india rubber hose pipe.

By merely passing the mouth of the bottle over the jet and pressing the bottle downwards water is automatically sprayed into the bottle. The water completely drains away from the bottle as it is withdrawn.

Further particulars may be obtained from the makers:—

The THOMAS HILL Engineering Co. (HULL), Ltd.
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SOUTHALLS "CELTEX" SOLUBLE *San towels*

IN CARTONS

6 for 6d. and 12 for 1/- and 1/2, 1/6 and 2/-

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Our forceful Advertising increases your turnover?

We Advertise in the following important National Publications

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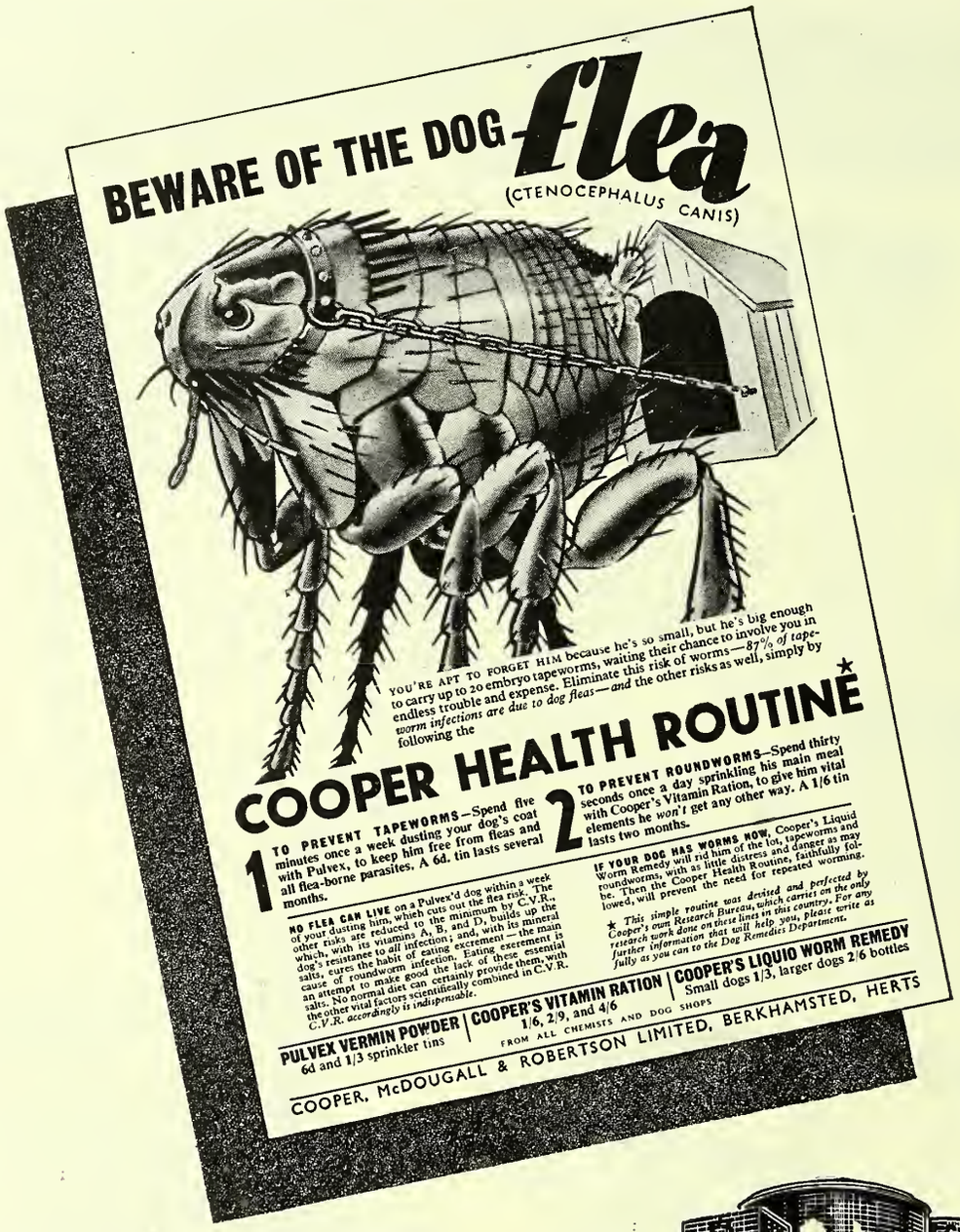
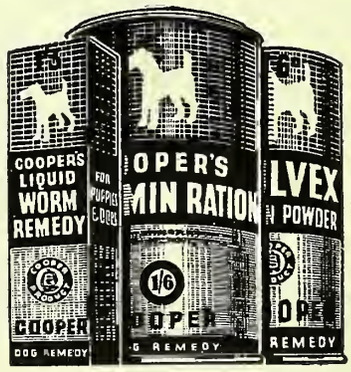
'Grams: 'Horehound, Manchester.' 'Phone: Blackfriars 8734



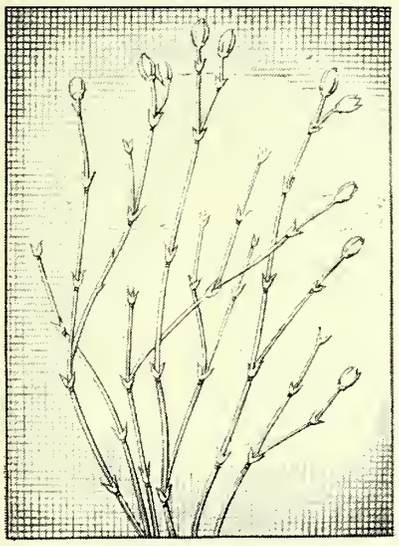
THE FEAR OF FLEAS will be put into everyone that sees this advertisement, reprinted now in miniature from the 'Tailwagger' etc. Are you prepared to cash in on it? There's a lot of money to be made on dogs. We know vet. counters in quite small shops turning over a steady £5 per week. Have *you* got one? You can't make a better start than with the Cooper Health Routine, nor find a better mainstay. Three sales in one and nine times the profit in the year.



PULVEX VERMIN POWDER	COOPER'S VITAMIN RATION	COOPER'S LIQUID WORM REMEDY
6d and 1/3 sprinkler tins	1/6, 2/9, and 4/6	Small dogs 1/3, larger dogs 2/6 bottles

TRADE TERMS—less 33⅓% and less 5% cash monthly

COOPER, McDOUGALL & ROBERTSON LIMITED, BERKHAMSTED, HERTS



Ma Huang, botanical source of the true lævo-rotatory alkaloid.

These products are made with Natural Ephedrine

TRADE MARK **'TABLOID'** BRAND

EPHEDRINE HYDROCHLORIDE

gr. 1/2 tubes of 6 at **5/5** *per doz. tubes*
gr. 1/2, bottles of 25 at **15/-** *per doz. bottles of 100 at* **45/-** *per doz.*
gr. 1/4, „ „ 25 „ **10/-** *„ „ „ „ 100 „* **30/-** *„ „*
0.03 gm., „ „ 25 „ **15/-** *„ „ „ „ 100 „* **45/-** *„ „*

TRADE MARK **'VAPOROLE'** BRAND

EPHEDRINE SPRAY COMPOUND

Contains: Ephedrine, 0·9 per cent.; Menthol, Camphor and Oil of Thyme, of each 0·5 per cent., in a base of 'Paroleine' Liquid Paraffin.

Bottles containing 1 fl. oz. at **27/-** *per doz., 16 fl. oz. at* **27/-** *each (with dropper)*

TRADE MARK **'HYPOLOID'** BRAND

EPHEDRINE HYDROCHLORIDE

0·03 gm. (gr. 1/2 approx.)

Boxes containing 10 ampoules of 1 c.c. at **38/-** *per doz. boxes*

TRADE MARK **'ELIXOID'** BRAND

EPHEDRINE COMPOUND

Contains: Ephedrine Hydrochloride, gr. 1/4; Syrup of Tolu, min. 15; Tincture of Virginian Prune, min. 2; Chloroform, min. 1/8, in each fluid drachm.

Bottles of 4 fl. oz. at **27/-** *per doz., 16 fl. oz. at* **7/6** *each*

London Prices to the Trade (subject)

Ephedrine Products bearing the Burroughs Wellcome & Co. Trade Marks are regularly and confidently prescribed. The ample supplies available make it unnecessary to rely upon artificial ephedrine.

BURROUGHS WELLCOME & CO., LONDON

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DENFIX

REG. TRADE MARK

The finest Denture Fixative yet marketed

TEN TIMES BETTER THAN TRAGACANTH

Sells ... **7½d.** and **1/3** each
Costs ... **4/6** „ **7/6** doz.

"SPUN"
REG. TRADE MARK

BABSOL

The Baby Cream with the big sale

FROM ALL SUNDRY HOUSES OR FROM

Telephones:
RODNEY 3874/5/6
Telegrams:
USHENSPUNA, LONDON

ROBERT BLACKIE
MELON ROAD, PECKHAM
LONDON, S.E.15

—AND
"SPUN"
OINTMENTS—
OF COURSE

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams : "Chemicus, Estrand, London" *Telephone : Central 6565 (10 lines)*

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BIRMINGHAM: 111 NEW STREET (TEL.: MIDLAND 2921)
AUSTRALIA: 19 QUEEN STREET, MELBOURNE, C.1
NEW ZEALAND: 55a SHORTLAND STREET, AUCKLAND
PARIS: 155 AVENUE DE WAGRAM, XVIIe (TEL.: ETOILE 19-72)
AMSTERDAM-C. HOLLAND: PLANTAGE FRANSCHELAAN 32

News of the Week

Business Changes

MR. W. J. EVANS, M.P.S., Usk, has taken over the business of Mr. Percy Ault, M.P.S., Usk, who has retired.

BOOTS, LTD., will shortly be opening a branch at John Street, Porthcawl.

MR. A. C. BOYDELL, M.P.S., is shortly opening a pharmacy at 34 Westleigh Lane, Leigh, Lancs.

TIMOTHY WHITES & TAYLORS, LTD., will shortly be opening a branch pharmacy at 612-614 Bearwood Road, Smethwick.

MR. H. JENKINS, Ph.C., John Street, Porthcawl, has moved his business to different premises in the same thoroughfare.

A. DE ST. DALMAS & CO., LTD., have removed their London depot from Clerkenwell Road, E.C.1, to 140-142 St. John Street, London, E.C.1.

Boots' Jubilee Luncheon

A luncheon was held on June 2 to celebrate the fiftieth anniversary of the foundation of Boots Pure Drug Co., Ltd. Lord Trent, chairman and managing director, presided, and the principal guest was the Rt. Hon. Walter Elliot, P.C., M.P., Minister of Health. There was a noteworthy gathering of guests distinguished in politics, medicine, wholesale and retail industries, including pharmacy. The toast of "His Majesty's Ministers" was proposed by Lord Trent, who recalled that about fifty years ago his father, Jesse Boot, started a business which is now one of the largest of its kind in the world. Fifty years ago Boots Pure Drug Co. had but one shop; it now has over 1,200 branches, and 22,000 persons are employed by the company. There are 7,000 persons engaged in the factories. The Minister of Health, in his reply, eulogised British dispensers by saying that they hold the lives of millions in their hands and rarely make the slightest mistake in dispensing the prescriptions of 17,000 doctors. He paid a tribute also to Jesse Boot, whom he described as a prince of shopkeepers in a nation of shopkeepers, and who had played an enormous part in the developments of chemists' shops in Britain. The toast of "The Guests" was proposed by the Rt. Hon. The Viscount Wolmer, P.C., M.P., and vice-chairman of the company. The reply was made by Mr. W. J. Jordan, High Commissioner for New Zealand, in which territory it is of interest to note there are two Boots' branches.

Among those present were the Rt. Hon. A. V. Alexander, P.C., M.P.; Sir Ernley Blackwell, K.C.B.; Mr. B. A. Bull, A.I.C., Ph.C.; Mr. W. S. Church; Mr. A. J. Espley; Sir Francis Fremantle, O.B.E., J.P., M.P.; Professor J. M. Gulland, M.A., D.Sc., Ph.D.; the Rt. Hon. Lord Horder, G.C.V.O.; Mr. Geoffrey Howard; Dr. N. G. Horner; the Rt. Hon. the Viscount Leverhulme; Mr. H. N. Linstead; Mr. J. Lawson; the Rt. Hon. the Viscount Mersey, C.M.G., C.B.E.; the Rt. Hon. Lord McGowan, K.B.E.; Mr. Thomas Marns; Mr. F. L. Pyman, D.Sc.; F.R.S.; Mr. G. E. Pearson; Mr. J. Davidson Pratt, O.B.E.; Mr. P. Sparks; Mr. W. W. Wakefield, M.P.

The Chemists' Sickness and Provident Society

The tenth annual meeting of the Society was held at 4 and 5 Queen Square, London, W.C.1, on May 24, Mr. S. J. Stearn in the chair. The chairman stated that 168 new members had been enrolled during 1937, making the total membership on December 31 1,206 (men 1,037). The subscription income was £12,272, an increase of £1,329. The amount expended in sick pay, men's section, was £2,055, and women's section, £498. The total amount of sick pay received by members since the first claim was paid in April 1929 was £11,057. The balance of surplus funds in the men's section allowed an apportionment of £1 7s. 8d. per full share, and in the women's section 15s. 10d. The smaller apportionments were brought about by a record number of sick claims during the early part of 1937, which proportionately reduced the balances available for allocation; this was particularly noticeable in the women's section. The interest received during the year from the Society's investments amounted to £1,862, and the whole of this sum had been allocated to the members' balances at the rate of 3¾ per cent. Mr. Bryan seconded. The report and balance sheet were unanimously approved.

The following amendment to the rules was carried:—Rule 31, Section IV. Delete the whole section and substitute "IV.—The Committee may, at the close of any year, if they think fit and if the amount of the Management Fund be greater than has been required to meet the necessary expenses, either carry the balance over to the fund for the next year, or may carry it to a Reserve Fund, or may add the balance or surplus to the general funds of the Society. The Reserve Fund shall be available at the discretion of the Committee for increasing the interest on members' apportionments of any year." At the end of the rule add: "V.—The Committee may pay from the Management Fund to the N.P.U. Organisations Staff Pensions Fund such sums as may be necessary to provide superannuation benefit for the officers and members of the staff of the Society who (with the consent of the Committee) contribute to that Fund." "VI.—The balance standing to the credit of the Staff Reserve Fund at the date of the registration of this partial amendment of rules, shall be paid by the trustees of the Society to the trustees of the N.P.U. Organisations Staff Pensions Fund."

Mr. D. A. Bryan was elected *Chairman* for the year; Mr. W. Forster, *Vice-Chairman;* Mr. A. Ralph Melhuish was re-appointed *Treasurer;* Messrs. E. A. Atkins, W. W. Atkinson, E. A. Brocklehurst, B. P. Davies, A. Dobson, T. Heseltine, H. H. Marshall, S. J. Stearn, and W. J. Tristram, together with the trustees, Messrs. J. E. French, W. I. Scholes, and C. J. Yeates, were appointed the *Executive.*

CONTENTS
See p. 675

Messrs. H. W. Harrie, A. Mortimer, and H. Glyn-Jones were re-appointed *Arbitrators*.

Bradford

N.P.U. BRANCH MEETING.—The annual meeting of Bradford Branch of the National Pharmaceutical Union was held on May 26, the chairman (Mr. H. Hudson) presiding. Four ordinary meetings and five committee meetings had been held during the year. Following the presentation of the secretary's report and the financial statement, a discussion arose regarding overdue subscriptions. Mr. W. Sutcliffe said it was regrettable that so many subscriptions were overdue and unfair on the secretary. The chairman thought it was merely through neglectfulness. Mr. A. T. Bailes said he did not think a letter of appeal would do any good. He proposed that the matter be left for the committee to deal with. The motion was seconded by Mr. W. H. Croasdell and carried. It was also agreed to send the following resolution to headquarters:—"That this branch feels the N.P.U. should consider the advisability of making a grant to each branch for secretarial purposes; also that a copy of the balance sheet should be sent to each branch every year." The following officers were elected:—*Chairman*, Mr. W. H. Croasdell; *Vice-Chairman*, Mr. Kitchen; *Secretary*, Mr. Bolton; *Committee*, Messrs. Jowett, Best, Hudson, Brown, Wilson and Richardson. Mr. Hudson outlined an advertising scheme which was being considered by branches of the N.P.U. and of the Pharmaceutical Society in the West Riding. The West Riding Joint Co-ordinating Committee, which included representatives from all branches in the West Riding, had agreed that the matter should be considered by the branches. If the branches agreed to the scheme the idea was to have co-ordinated advertising throughout the West Riding. Mr. Richardson said the same advertisement would appear in the various districts on the same night. There would not be a list of names of chemists, but there would be some reading of topical interest in the form of a news item and at the bottom would be some sort of slogan such as "Buy from the chemist." Mr. Kitchen wondered if that form of advertising would really reach the people they wanted to? Would not a dignified slogan be better, as it was possible the public would not bother to read through a lot of matter? Mr. N. Best felt the public would read the advertisement because it would look like a news item from the heading. Mr. Richardson considered the public was not interested in the word "pharmacist," and he thought they should get down to the word "chemist." Mr. Best declared that if the branch adopted the scheme the members must not expect increased business after the first advertisement. The secretary said he felt that if the branches got the scheme going headquarters would take it up. In reply to an inquiry, Mr. Best said Leeds and Sheffield were in favour of the scheme, but York was not. A request had also been received from Teesside to take part. Mr. Hudson moved that the branch should wait for a report from members who were canvassing for the advertisement on behalf of the joint committee. The motion was seconded by Mr. Bailes and carried. Mr. Best said over eighty members would have to take part in order to make the scheme a success. He thought one of the difficulties would be when a call was made for the first quarter's payment in advance. Some discussion took place on whether, under the British Medical Association's local service scheme, doctors or chemists were going to do the dispensing. One member said he was afraid doctors would lose money on the scheme, because the majority of people who were paying sixpence a week were going to get medicine back for it, just as the chemists would lose money if they took it up. The secretary said apparently the scheme was a success in some places and a "flop" in others. Mr. Richardson thought 95 per cent. of the doctors in the Bradford district did dispensing for their private patients, and chemists should lose no opportunity of placing their services in front of the doctors, even if they were not accepted. It was decided to leave the matter to the committee of inquiry and await developments.

Brighton

It is proposed to inaugurate a Junior Association of Pharmacy for Brighton, Hove and District to foster a spirit of fellowship, especially among the younger members of the profession. Membership will be open to all connected with pharmacy. The first activity will be a ramble from Falmer to Ditchling on June 19. The train leaves Brighton at 2.31 p.m., return fare to Falmer 7d., tea (1s.) at Cuttress', Ditchling, at 5 p.m. Will those interested please communicate with either Mr. C. Margetson, 9 Canterbury House, High Street, Tarring, Worthing, or Mr. W. Byass, 4 Derwent Court, 1 Dallington Road, Hove, 3.

Burnley

NINETIETH ANNIVERSARY.—Parkinsons, Ltd., manufacturers of pills, powders and tablets, Burnley, have just celebrated the ninetieth anniversary of their establishment. To commemorate the event, nearly 120 salesmen, executives and departmental heads were entertained to dinner by the directors recently. Among those present were Mr. S. Herbert Parkinson (governing director), Messrs. Cyril Parkinson, Allan R. Parkinson and W. Taylor (directors), F. E. and Norman Parkinson, Messrs. W. Perkins, H. Bailey, W. A. Law and L. Taylor, (representatives for thirty-three, thirty, twenty-five and twenty-four years respectively), W. S. Barritt, J. Bradley (toastmaster), J. T. Riley (a representative for forty years, now retired), T. S. Smith (chief chemist), H. F. Procter (accountant), H. Dewhurst (departmental manager), and Messrs. R. Dean and A. Smith (retired departmental managers). The sales manager, Mr. A. E. Coulthurst, was in the chair. Mr. W. Perkins, senior representative, announced that the anniversary coincided with the completion of fifty years' service by their governing director, Mr. Herbert Parkinson. On behalf of the sales staff and every one present he then handed to Mr. Parkinson a bound volume containing the signature of each guest. The subsequent entertainment included a film entitled "The House of Parkinson," devised, filmed and exhibited by Mr. Norman Parkinson.

Cardiff

EDUCATIONAL APPOINTMENTS.—Mr. A. S. Johnson, J.P., M.P.S., has been elected chairman of the Technical College (Pharmacy Advisory) Subcommittee for the current year and also as an honorary examiner, together with Mr. J. H. Kent, M.P.S., for the October dispensing examinations at the Welsh College of Pharmacy.

BENEVOLENT FUND COLLECTIONS.—Mr. J. Reynolds, successor to the late Mr. J. D. Jenkins as manager of the Cardiff and District Fund for the Benevolent Fund of the Society, reports good progress. Over £50 has come in so far. Most contributors have signed an undertaking to subscribe a sum annually for seven years. The branch is hoping to beat its friendly rivals (Cheltenham), for the highest average.

London

ASSOCIATION OF PHARMACEUTICAL EMPLOYEES.—A meeting for managers and staff of Timothy Whites and Taylors, Ltd., and subsidiaries (drug section), in the North-West London area will be held on June 14 at the Co-operative Hall, Broadway, Hendon, commencing at 8.45 p.m.

SECOND ANNUAL MEETING.—The second annual meeting of the Wimbledon and District Pharmacists' Association and Branches of the Pharmaceutical Society, National Pharmaceutical Union and Photographic Dealers' Association was held on May 31, Mr. C. J. R. Pretty in the chair. The chairman, in a brief review of the year's events, paid tribute to the work of the secretary and the treasurer, and to members of the committee. The treasurer reported a small credit balance. Officers were elected as follows: *President and Chairman*, Mr. A. I. C. Weston; *Vice-President and Vice-Chairman*, Mr. J. R. Stewart; *Secretary and Treasurer*, Mr. T. James, 385 Durnsford Road, S.W.19; *Assistant Secretary*, Mr. P. G. Taylor, 413 Kingston Road, S.W.20; *Social Secretary*, Mr. K. C. Pretty, 1 Woodside Parade, Gap Road, S.W.19; *Committee*, Messrs. C. J. R. Pretty, H. Thomas, H. A. J. Peasnall, and W. Main; Messrs. A. I. C. Weston, T. James, and K. C. Pretty were elected to the *Committee* after a ballot; *Delegates to Surrey County Association Executive*, Messrs. J. R. Stewart and C. J. R. Pretty. The experiment of combining the offices of secretary and treasurer and having an assistant secretary is being tried out. The meeting concluded with an address by Mr. W. S. Howells on "P.A.T.A. Matters," followed by discussion.

News in Pictures

A MODERN U.S. DRUG STORE — Interior of Waterbury drug store, New Orleans, showing 70-ft. counter; *inset*, dispensing departments, with drugs "filed" in vertical cases; *below*, soda fountain and lunch counter.

LABORATORY BOTANY — Controlled conditions calling for trained laboratory workers govern modern orchid culture, with pollination of seeds at standard temperature after microscopical examination, etc.

SALES GROUP — Mr. Myram Picher (president, Crystal Products Co.) with company's salesmen, photographed during a recent visit.

B.I.F. POSTER — Reproduction of poster designed for the British Industries Fair, 1939, by Mr. Tom Purvis.

MR. WALTER H. CROASDELL, chairman, Bradford and District Branch, National Pharmaceutical Union. See page 673.

MR. P. GILLESPIE, president, Middlesbrough and District Pharmacists' Association, 1938–39. See note, page 673.

MR. J. E. GOODALL, this year's chairman of the West Middlesex Branch of the Pharmaceutical Society. See also page 673.

MR. L. PIPER, re-elected chairman of the Ipswich Branch of the Pharmaceutical Society for the sixth year. See page 673.

Southend-on-Sea

A.R.P. ENROLMENTS.—The Air-Raid Precautions Officer for Southend (Lieut.-Colonel Buckland, D.S.O.) addressed a well-attended meeting of the Southend branch of the Pharmaceutical Society recently. He gave a survey of the methods adopted and the services that will be required, and stated that he hoped to enrol the chemists as a body to act in the gas-detection service, under the guidance of the Chief Constable. A vote of thanks was proposed by Mr. G. Bruce and seconded by Mr. A. Atkinson. A number of enrolments were made.

Miscellaneous

BRITISH INDUSTRIES FAIR.—Forms of application for space at the British Industries Fair, 1939, are available, and may be obtained from the Department of Overseas Trade, 35 Old Queen Street, London, S.W.1. A brochure describing the facilities offered has also been issued. Between 1915 and 1938 the exhibiting area has grown, it is recorded, from 88,714 sq. ft. to 856,396 sq. ft.

ALLEGED STRYCHNINE POISONING.—At Downham Market, on June 2, the hearing was resumed of the charge against Mrs. Rose Emma Sandford, who was accused of murdering her husband by administering strychnine (see *C. & D.*, June 4, p. 638). Dr. Roche Lynch gave details of his analyses and described the symptoms of strychnine poisoning. In the course of the police evidence it was stated that exhaustive inquiries had failed to trace any person from whom the accused might have received strychnine. At the completion of the case for the prosecution, on June 3, counsel for the defence submitted that there was no case to go for trial. The magistrates found there was no *prima facie* case and discharged the accused.

PHARMACY ACT CASES.—Edward Scurr, 119 Newington Green Road, Islington, was summoned at the North London Police Court, on June 2, for unlawfully taking or using the title druggist, he not being a registered pharmacist, contrary to Section 3, Subsection I of the Pharmacy and Poisons Act. Mr. A. C. Castle, prosecuting for the Pharmaceutical Society, said the facts were that the defendant carried on a business, which he owned, as General Emergency Medical Supplies, at 119 Newington Green Road. On April 13 an inspector went in and asked the defendant to make up a cough mixture. On the label the defendant described himself as a wholesale druggist. Under Section 3, Subsection I of the Pharmacy and Poisons Act it was unlawful for a person, unless he was a pharmaceutical chemist or chemist and druggist, to describe himself as a druggist. The Act said nothing about wholesaler or retailer. The defendant said that he did not know that there was any evidence anywhere that one could not describe himself as a wholesale druggist. "The Act is quite clear," commented the Magistrate. A fine of £5 was imposed.—At the Bolton (Lancs) Borough Court, on June 2, Norman Constantine, Bolton, was fined £3 under the Pharmacy and Poisons Act for selling a preparation which contained strychnine.

Irish Notes

Suspension of Sunday Trading Restrictions

The Minister for Industry and Commerce has decided to suspend the operation of the Sunday restrictions imposed under the Shops (Hours of Trading) Act. The announcement was made to the Dublin Chamber of Commerce, the Minister, however, adding that the suspension was made temporarily. He hinted that modified Sunday trading restrictions might still be introduced for the cities and towns.

Dangerous Drugs in Northern Ireland

The Minister of Home Affairs in Northern Ireland has issued as S.R. & O. (N.I.), 1938, No. 55, Regulations under Section 7 of the Dangerous Drugs Act, 1920, for controlling the manufacture, sale, possession and distribution of dangerous drugs to which Part III of that Act applies.

The Minister has also issued as S.R. & O. (N.I.), 1938, No. 56, Raw Opium Regulations, under Section 3 of the Dangerous Drugs Act, 1920, and Section 1 of the Dangerous Drugs Act (Northern Ireland), 1925, for controlling and restricting the possession, sale and distribution of raw opium, coca leaves, Indian hemp, its resins and all preparations, other than extract or tincture of Indian hemp, of which such resins form the base.

Copies of the Regulations can be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, or 80 Chichester Street, Belfast, price 9d. and 3d. respectively.

Irish Drug Association

Mr. P. A. Brady (president) was in the chair at the fortnightly meeting of the committee of the Irish Drug Association on May 23. The secretary (Mr. R. J. Kidney) reported that he had received a number of inquiries regarding the operation of the new Shops Acts, most of which were from the Dublin area, from which it appeared that many pharmacists were in doubt as to the items which might be sold during the restricted periods of trading. For the information of members the committee pointed out that medicines, medical and surgical appliances can be sold at all times, but medicines and medical and surgical appliances are not defined in the Shops (Hours of Trading) Act. One chemist wrote asking if it was illegal to have an automatic machine for the sale of films outside his business place on Sundays. The committee were of opinion that this did not constitute a breach of the law. Members of the I.D.A. in the Greater Dublin area, including Dun Laoghaire borough, Donnycarney, Killester and Dollymount, were advised not to alter existing opening or closing hours, and to have complete closing in an area on half-days. Otherwise no hopes could be entertained of obtaining certain exemptions at present under consideration (it was announced that the Dublin Branch of the Photographic Dealers' Association was seeking exemption for the sale of films on Sundays and public holidays on behalf of its members). A report was received from the Galway Pharmaceutical Association intimating that they had applied to the Minister for Industry and Commerce to have the borough of Galway City exempted under Section 30 from the provisions of the Shops (Hours of Trading) Act, 1938, on the ground that Galway was an important tourist centre. No reply had yet been received from the Minister. The following members of the committee were appointed to negotiate with the chemists' branch of the Irish Union of Distributive Workers and Clerks on the limitation of apprentices and the working of the Shops (Hours of Trading) Act: Messrs. P. A. Brady, R. B. Brown, A. J. Donnell, J. J. Roche, T. C. Scott, P. F. McGrath, and Dr. J. A. Mitchell. On the proposition of Mr. M. O'Rourke, seconded by Mr. T. C. Scott, Mr. Gerald O'Neill, Blackrock, was co-opted to fill a vacancy on the committee. The committee decided to send Mr. Brendan Smith as representative to interview the principals of the United Drug Co., Ltd., Nottingham, with a view to bringing about the abolition of "penny sales." Difficulties in the printing trade over which the I.D.A. had no control were mentioned as responsible for the delay in publishing the Price List. The secretary reported that test purchases had been made, and the results reported to the Proprietary Articles Trade Association, who at once took action, with the result that several shops were on the Stop List.

Mayo Pharmaceutical Association

Mr. J. J. Cahill (president) was in the chair at a meeting of the Mayo Pharmaceutical Association held recently at which matters of local concern were discussed. The coding of proprietary articles stated by manufacturers to be confined to chemists was considered, and it was suggested that all such items should have a letter of the alphabet watermarked on the back of labels. By adopting such a system the county from which leakages occurred could be traced. After some discussion a proposal by Mr. T. Cahill, seconded by Mr. N. A. McKane, that Mr. Adamson should continue as the Mayo delegate at the I.D.A. delegate meetings was carried unanimously. It was next unanimously resolved that Mayo chemists should not in future accept deliveries from wholesalers who delivered goods from the same van to grocers and other unqualified persons, and to notify the president of the I.D.A. of the passing of this resolution. Discussion took place on the operation of the Shops Acts in the area. Swinford chemists present decided to follow the new closing hours in operation in Ballina, Castlebar, Westport and Claremorris. Ballina members decided to close their pharmacies at 1 p.m. on Thursdays. Laxity in the selling of arsenical sheep dips by traders holding County Council licences, and open illegalities by garage owners and radio vendors in the sale of such poisonous substances as

battery acid were mentioned by several members. It was agreed that the Pharmaceutical Society of Ireland should be invited to give the matter their attention. A motion was carried pledging support of the Association only to those firms on the I.D.A.'s approved list. The meeting was followed by a dinner.

Belfast

MR. THOMAS L. COLE, Ph.C., High Sheriff of Belfast, has been elected chairman of the Child Welfare and Maternity Committee of Belfast Corporation.

SIR THOMAS MCMULLAN (a member of the Council of the Pharmaceutical Society of Northern Ireland) has been appointed chairman of the committee of management of the Bangor District Hospital.

A.R.P. IN ULSTER.—Mr. A. W. Mann, Ph.C., Belfast, gave an address at the Imperial Picture House, Belfast, on June 3, after the showing of an Air Raid Precautions film. He said it was hoped to have 1,000 instructors and 5,000 of the general public trained in Ulster by the end of the year.

Scottish Notes

Aberdeen

RECOGNITION OF TECHNICAL COLLEGE.—The question of the recognition of the Technical College of Robert Gordon's Colleges, Aberdeen, for the purpose of the B.Pharm. of London University and the Ph.C. qualification was discussed by the Governors of the Colleges in Aberdeen on May 27. It was reported that London University had intimated that inspectors appointed by the University and the Society had been considering the question of recognition and had been unable to come to a decision. It was suggested that a meeting might be arranged with representatives of Robert Gordon's Colleges and that two of their representatives should be Dr. Tocher and the head of the Pharmacy Department. It was reported by the Chemistry and Pharmacy Committee that a statement had been prepared showing the work of the School of Pharmacy at Aberdeen, the staff salaries, teaching activities and the research work undertaken. The Governors resolved to leave the matter with the Chemistry and Pharmacy Committee.

PRIZE DISTRIBUTION.—The quarterly meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's Colleges on May 24, Mr. W. F. Hay, president, in the chair. After addressing the meeting, Mr. James Jack, member of the Pharmaceutical Council, handed the Petrie Trust cheque to the winner, Mr. Robert Shearer, and the Evening Class prizes to the following:—*Second Year.*—1, M. Harper, 2, W. H. Reid; 3 equal, J. Singer and A. G. Burnett. *Third Year.*—1, E. Fraser; 2, G. M. Mitchel; 3, W. J. Edward. *Fourth Year.*—1, S. B. Wilson; 2, R. Shearer; 3, E. W. L. Bowie. There were no first-year students. Among those who spoke were Dr. Tait and Dr. J. F. Tocher. At the meeting which followed removal from the P.A.T.A. list of a firm's preparations was discussed. It was recommended that pharmacists remove all of the offending firm's show material from view, that the preparations be supplied only on demand, and as a further safeguard against this type of thing give added support to the P.A.T.A.

Miscellaneous

MR. PETER MESTON, M.P.S., has acquired the business of Mr. John Hogg, M.P.S., 79 Port Street, Stirling.

NEW BUSINESS.—B. S. Chambers, Ltd., chemists, have opened a pharmacy at 75 Peddie Street, Dundee.

MR. JAMES GIBSON, M.P.S., has taken over the business of Malcolm M. Newall, chemist, 597 Springburn Road, Glasgow.

STIRLING CHEMIST ROBBED.—Mr. James Dowell, M.P.S., Broad Street, Stirling, was held up at the point of a revolver by two young men in his shop on June 1, and a sum of money was stolen.

SCOTTISH CHEMISTS' BOWLING ASSOCIATION.—The annual "East" v. "West" rink competition for the Ayrton Saunders trophy was held on June 1 at Dundee. The winners received the trophy from Mr. A. W. Calder (Ayrton, Saunders & Co., Ltd.) as well as the prizes. At the annual general meeting in the Royal British Hotel after the game, Mr. W. S. Culbert and Mr. A. W. Calder were re-elected *President* and *Vice-President* respectively, and Mr. W. Peebles, 110 Springfield Road, Glasgow, S.E., was elected *Secretary* and *Treasurer*. Mr. J. Bissett was elected an *Honorary President*. The pairs game for the Gibbs trophy was fixed for Stirling (Albert Place Green) on July 6.

Topical Reflections

By Xrayser

A Repetitive Document

The memorandum on air-raid precautions issued by the Public Services Committee of the Pharmaceutical Society's Council (p. 642) does not, if I read it aright, take us much further than the address of Mr. J. Davidson Pratt at University College, London, in the autumn of 1936 (*C. & D.*, 1936, II, 656) and the notices circulated by local authorities. It seems unfortunate that the committee referred to (a relatively new creation of the Council, by the way) has not made its considered pronouncement in a more readable form. If repetition is, as we have been told, the chief factor in oratory, this memorandum is an oratorical document of the first order. I have only space here to call attention quite briefly to the loose-knit manner in which it has been put together. Not only, for instance, are the Society's branches and their functions dealt with in widely separated paragraphs, and the individual pharmacist and his functions similarly dealt with, but the paragraphs relating to the individual pharmacist, which for clearness I may designate (*a*) and (*b*), begin as follows: (*a*) "The foregoing paragraphs will indicate some of the ways in which . . . "; (*b*) "It will be clear from what has already been said . . ." One can understand tired business men writing like this at the end of a heavy day's work; but we look for something better in a publication intended for our guidance. As a modern Hamlet might have said, it out-Whitehalls Whitehall. And redundancy is sometimes partnered by obscurity—witness the paragraph on training, in which three types of courses are foreshadowed. The third of these is to be conducted (on subjects unspecified) by medical instructors, although in an earlier paragraph we are told that pharmacists already possess "specialised knowledge in chemical and medical matters." I shall not be surprised if this topic is raised elsewhere.

Hay Fever

The six pages in your last week's issue devoted, with brief editorial comment, to the treatment of hay fever call attention opportunely to a complaint that has not, perhaps, been hitherto regarded as seriously as its nature warrants. Although, according to my information, the first crop of hay is a failure this year except in a few localities, I do not suppose the sufferings of those who undergo an annual hay-fever visitation will be lighter than usual unless they take energetic measures to lessen them. The homely pinch of snuff favoured by Sir Buckston Browne in nasal troubles will not go far; as your article on p. 649 shows, hay fever is more analogous to protein shock than to an ordinary infection. Incidentally, I note that you use the terms "allergy" and "anaphylaxis" in the respective senses on which I had expected that the medical profession would agree after a preliminary period of uncertainty; I trust that it has so agreed. I have been impressed from time to time with the results of desensitisation as recorded in the medical Press; but the routine of that process is tedious and rather costly, and for busy people a visit to the pharmacist is the more probable course in ordinary cases. The old practice of sending patients with the requisite leisure to a barren part of the coast where pollens are not supposed to penetrate is not, I think, referred to in your comprehensive account of present-day treatments, and it may be that it has fallen out of favour.

Golfing Events

LONDON.—The London Chemists' Golfing Society held a meeting at Brookmans Park Golf Club on June 2, when thirty-three competitors entered for the captain's prize and the Yardley cup. The captain's prize was won by Mr. W. A. C. Attwood (84 – 8 = 76), and the Yardley cup by Mr. Andrew White (2 down). The leading scores were:—

Medal		*Bogey*	
W. A. C. Attwood,	84 – 8 = 76	A. White,	2 down
W. Bennett,	95 – 18 = 77	H. R. Nightingale,	4 down
H. Warburton,	88 – 11 = 77	R. W. Poole,	5 down
A. White,	83 – 5 = 78	W. Bennett,	5 down
G. B. Thompson,	86 – 8 = 78	W. A. C. Attwood,	5 down
H. R. Nightingale,	92 – 14 = 78	G. B. Thompson,	5 down

The next meeting will be held at West Surrey Golf Club on Sunday, June 12. Lady visitors are invited to compete for a cup presented by the Society.

HULL.—The annual competition for the Lofthouse cup was held by Hull Chemists' Association on the course of the Hornsea Club recently. A good entry was received, and Miss Thelma Sawyer (treasurer of the Association) returned a card of five down to win the cup and replica. Messrs. V. H. Iddon and C. J. Sutcliffe (six down) tied for second place, with Mr. S. Kirton (seven down) third. Other competitors were Messrs. Naylor, Surfleet, J. E. Hindle, Stephens, Spink, E. Hindle, and J. Iddon. Mr. Harold Bays (president) presided at tea, which was served in the clubhouse at the invitation of the donors of the cup (Lofthouse and Saltmer, Ltd.). Mrs. Bays presented the prizes. The president's prize for the runner-up was won by Mr. J. Sutcliffe, after a toss up with Mr. Iddon. Several competitors received golf balls, the gift of Mr. G. Taylor.

MCMULLAN CHALLENGE CUP.—There were fifty-two entries in the twenty-first annual competition for the McMullan challenge cup at Castlerock recently. The results were:—*Class A*, Mr. R. U. Mathers, 86 – 17 = 69; *Class B*, Mr. S. McLoughlin, 98 – 24 = 74. The final was won by Mr. Mathers. The visitors' prize of one dozen golf balls, presented by Thomas McMullan & Co., Ltd., was won by Mr. J. Hayes. The afternoon competition (also stroke) for a prize presented by Ucal, Ltd., per Mr. F. Bartlett, was won by Mr. R. J. Jeffres with a score of 90 – 24 = 66, the runner-up being Mr. D. Bassett (92 – 22 = 70), who received one dozen golf balls, also donated by Messrs. McMullan. The ladies' prize, presented by Ucal, Ltd., was won by Miss Gilchrist. The chair at the meeting which followed was occupied by Sir Thomas McMullan, who distributed the prizes. The following were elected to the committee:—Messrs. A. T. Hardy, J. R. Guiler, James Macauley, R. Linehan, J. A. McRoberts, W. J. McCutcheon, J. M. Poots, W. J. Rankin, A. Steede, and G. H. Simms; treasurer and secretary, Mr. S.H. Forrest. Mr. Frank McMullan proposed a vote of thanks to the council of the Castlerock Golf Club for the use of the club-house and links. Thanks were also recorded, on the proposition of Mr. W. J. Rankin, seconded by Mr. W. J. M'Cutcheon, to Thomas McMullan & Co., Ltd., and Ucal, Ltd., for donating the prizes, and to the secretary and treasurer for carrying out the day's arrangements. Arrangements were made for a team to travel to Belvoir on June 9 to meet a team of Eire chemists and compete for the B.D.H. cup.

THREE-DAY TOURNAMENT, BALLYBUNION.—At the three-day annual tournament of the Irish Chemists' Golfing Society, held at Ballybunion, co. Kerry, from May 30 to June 1, the captain (Mr. A. F. Roche, Donnybrook) was in command, assisted by Mr. Robert Bates (treasurer). On the opening day the first prize to be won went to Alderman Joseph Costello, Mayor of Galway, and a former president of the Pharmaceutical Society of Ireland. This was only one of the pharmacist mayor's successes, as he secured no less than four prizes during the three days. Other prizes were won on the Monday forenoon by Mr. Hugh J. McDevitt, Ballinamore, co. Leitrim; Mr. E. MacManus, Chapelizod; Mr. P. Fahy, Dublin; Mr. Draper (J. C. Eno, Ltd.); and the captain (Mr. A. F. Roche). In the afternoon contests, trophies were won by Mr. Frank J Roche, Dublin; Mr. A. Davidson (May, Roberts (Ireland), Ltd.); and Mr. A. Maher, Drogheda. On Tuesday morning Mr. Costello secured one of the first awards of the day, and other prize-winners on the morning's round were Mr. Brendan Smith (Irish Drug Association organiser); the captain; and Mr. Stephen Whelan, Cork. In the afternoon competitions the victors were Mr. James F. Walsh, Roscrea; Mr. Frank Roche; Mr. J. Gubbins, Bray; and Mr. Brendan Smith. The first contest played off on Wednesday was for the captain's prize, which was won by Mr. E. MacManus with 72 net, while Mr. Costello (handicap six) went round in 73. In the other morning games the winners were Mr. Costello; the captain; Mr. W. P. O'Sullivan, Arklow; Mr. A. Davidson; and Mr. Brendan Smith. In the closing games on Wednesday afternoon Mr. Costello secured his fourth award, and other lucky participants were Messrs. MacManus; O'Sullivan; John Whelan, Galway; T. Stewart, Limerick; and A. W. Hughes (A. de St. Dalmas & Co. (Ireland), Ltd.). At the dinner which brought the outing to a close the prizes were presented by Mrs. Maher, Drogheda, and a vote of thanks was passed to the many firms who had donated prizes. The next meeting of the Society will be on July 17, at the Howth Golf Club, co. Dublin.

INTER-CITY MATCH AT MUIRFIELD.—The annual chemists' inter-city match between Edinburgh and Glasgow for the Rainy-Brown trophy took place over Muirfield championship course on June 1, with the following result:—

EDINBURGH		GLASGOW	
J. Finlay	½	J. M. Low	½
J. Ross ...	1	J. Low ...	0
W. J. Rosie (capt.)...	1	R. Finlayson	0
D. Forgan	1	G. Adam, Jr.	0
A. H. Gillies	0	J. Ross ...	1
M. Iveson	0	E. Allison	1
J. Scott ...	0	A. Taylor	1
D.N.L.Philp	0	D. Coutts	1
R. S. Harvey	0	A. Aitken	1
E. Randall	0	B. Christie	1
R. Sinclair	1	J. M. Hart	0
			6½

EDINBURGH		GLASGOW	
H. Gauld	0	R. Pollock	1
D. Walker	1	W. McMaster	0
N. Brown	1	D. Duncan	0
W. McIntosh	0	G. Adam, Sen. (capt.)	1
G. Hardie	0	T. McLean	1
A. S. Cooper	0	S. J. Askham	1
G.W.Mangan	0	F. J. C. Lawford ...	1
R. L. Munnock ...	0	W. Seivwright and W.W.Wilson	1
			12½

In the afternoon four-ball foursomes were played for the custody of the trophy presented by Messrs. J. F. Macfarlan & Co. The results were as follows:—

EDINBURGH		GLASGOW	
J. Finlay and J. Ross ...	0	J. M. Low and J. Low ...	1
W. J. Rosie and D. Walker ...	½	R. Finlayson and G. Adam, Jr.	½
A. H. Gillies and M. Iveson ...	0	J. Ross and E. Allison ...	1
J. Scott and D. Forgan ...	1	A. Taylor and D. Coutts ...	0
D. N. L. Philp and E. Randall	1	A. Aitken and B. Christie ...	0
R. Sinclair and R. S. Harvey	1	J. M. Hart and R. Pollock ...	0
W. McIntosh and H. Gauld ...	0	W. McMaster and D. Duncan	1
N. Brown and G. Hardie ...	1	G. Adam, Sen. and J. McLean	0
A. S. Cooper and R. L. Munnoch	0	S. J. Askham and F. J. C. Lawford	1
G. W. Mangan	0	W. Seivwright & W. W. Wilson	1
	4½		5½

Parliamentary News

SUNDAY TRADING BILL

A Bill was introduced in the House of Commons on June 1 entitled "Shops (Sunday Trading Restriction) Act (1936) Amendment Bill," to amend the Shops (Sunday Trading Restriction) Act, 1936, in respect of holiday resorts. The Bill is to be read a second time on June 22.

GAS IN WARFARE

Mr. C. Wilson asked the Home Secretary on June 3 whether he can explain the terms true gas, persistent gas and contaminating gas, and give a list of each?

Mr. Lloyd: The term "gas" in warfare means any chemical substance, whether solid, liquid or vapour, which is used because it produces poisonous or irritant effects upon the human body. A "true gas" is a substance which is gaseous at ordinary temperatures. A "persistent gas" is usually a liquid at ordinary temperatures but evaporates slowly, giving off dangerous vapour. A "contaminating gas" is one which remains on an object or person and necessitates special treatment for the removal of it.

The best known examples are:—True gases—chlorine, phosgene; persistent gases—mustard gas, many lachrymatory gases; contaminating gases—mustard gas, lewisite.

Company News

P.C. means Private Company and R.O. Registered Office

A. J. Freeman, Ltd. (P.C.).—Capital £1,750. Objects: To acquire the business of a chemist and druggist carried on by May Freeman at 22 The Broadway, Newbury, Berks.

P. B. Phillips (Chemists), Ltd. (P.C.).—Capital £20,000. Objects: To carry on the business of chemists, druggists, etc. Percy B. Phillips, 4 Combe Martin Road, Southfields, S.W.18, director.

London Sundries Co., Ltd. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturing chemists, druggists, etc. Lizette Teitz, 35 Teignmouth Road, N.W.2, director.

Luceyt Products, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of plastic or colloid products, chemicals, etc. Guy Courtney, Sylvan Mount, Woldingham, Surrey, director.

Cassons Dispensing Chemists, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, opticians, etc. Murray Casson, "Hazeldene," 8 Craigwell Road, Prestwich, Manchester, director.

T. K. R. Dewe, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of manufacturing and pharmaceutical chemists, etc. Thomas K. R. Dewe (permanent director and chairman), 87 Mount Road, Hastings.

Pulsor (Great Britain), Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in all kinds of chemical products, druggists' sundries, etc. R.O.: 4 Broad Street Place, E.C.

Famous Formulas, Ltd. (P.C.).—Capital £200. Objects: To carry on the business of a drug store and that of chemists, etc. Sydney H. Gurney, 79 Marlborough Road, Watford, director. R.O.: 59B Market Street, Watford.

Supracolour Corporation, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in photographic, optical, chemical and other apparatus and equipment, etc. R.O.: 64 Broad Street Avenue, E.C.2.

A. P. Moray & Co., Ltd. (P.C.).—Capital £2,000. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, medicines, etc. The first directors are not named. Solicitors: Evershed & Son, 40-43 Chancery Lane, W.C.2.

James Kenton, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of wholesale and retail chemists and druggists, etc. Isadore J. Kudish, 167 Chevening Road, N.W.6, director. R.O.: Dominion Buildings, 2 South Place, E.C.2.

Cloister Laboratories, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, toilet requisites, etc. The first directors are not named. R.O.: Kent House, 87 Regent Street, W.1.

G. L. Willis, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in veterinary products, chemicals, drugs, medicines, etc. Alfred H. M. L. Martin, 23 Musgrove Road, S.E.14, director. R.O.: 7 Duke Street, Adelphi, W.C.2.

Sonmax, Ltd. (P.C.).—Capital £100. Objects: To acquire the registered trade mark "Sonmax," and to carry on the business of manufacturers of and dealers in medicines, ointments, lotions, etc. Samuel N. S. McCrirrick, Glendyne, Plodder Lane, Over Hulton, Bolton, director.

British Aspirin Supply Co., Ltd. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturers of and dealers in aspirin and chemicals, etc. Watkin G. Roberts, "Bryndeulyn," Caernarvon, secretary. Watkin R. Roberts, 73 Adelaide Street, West Toronto, Canada, is permanent managing director.

Treca Products, Ltd. (P.C.).—Capital £200. Objects: To acquire the goodwill of the business carried on by Kathleen Gittens as Treca Products, including the Trade Mark "Treca" and to carry on the business of manufacturers of medicinal and toilet preparations, etc. Thos. Watson, 20 Foley Street, W., director.

Dr. O'Connor's British Medical Products, Ltd. (P.C.).—Capital £100. Objects: To acquire licences and concessions in connexion with a process for making sulphur soluble; to carry on the business of chemists, etc. The first directors are to be appointed. Secretary: Eric W. Kent, 23 Queen's Drive, Acton, London, W.3.

Chemists Sundries Corporation, Ltd. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturing or wholesale or retail chemists, druggists, etc. John R. Dyson, 31 Queen Victoria Street, E.C.4, Eric A. W. Northcott, C.A., directors. R.O.: Balfour House, Finsbury Pavement, E.C.2.

Woodlands Chemists, Ltd.—The share capital, issued and fully paid, of £100,000 is, according to a report in "The Financial News," to be written down to £40,000 by reducing the value of each 5s. share to 2s. This reduction, it is stated, will enable the company to write down the balance-sheet figures of its fixed assets, including goodwill, to their true values. It will also enable it to write off the deadwood in the balance sheet, comprising £14,284, preliminary expenses; £732, balance not yet written off the sum paid for cancellation of a former managing director's service agreement; and £9,344, the deficit to profit and loss—in all £24,360. It is proposed to write down the fixed assets as follows: Goodwill from £29,370 to £7,000; freehold properties from £6,222 to £5,250; leases of shops from £9,547 to £2,675; and fixtures, furniture and equipment at shops and head office from £11,539 to £7,028. The directors point out that while £7,000 is considerably less than was paid by the company for the goodwill of the 34 separate shops acquired on its formation in 1934, that figure was based upon the previous turnover and profits of the shops. The directors emphasise that the capital reduction will enable the company to pay dividends out of profits now being made. It is proposed to delete the provisions in the articles providing for a percentage of profits being paid as additional remuneration to the directors in any year in which a dividend of 7 per cent. or more is paid on the shares, and to reduce the nominal amount of each director's share qualification from £100 to £50.

Voluntary Liquidations

Seazone, Ltd., cod-liver oil producers, Bolton. At the statutory meeting of the creditors of the above, held recently at Bolton, it was reported that the liabilities were £1,288 0s. 3d. After allowing £7 5s. for preferential claims the net assets were £396 17s. 5d., or a deficiency, as regarded the creditors, of £891 2s. 10d. The assets comprised: Plant, £40; office furniture, £5; book debts, £358 9s. 7d., put down at £300; stock of oil and drums, £30; and cash in hand and at bank, £29 2s. 5d. It was decided that the voluntary liquidation of the company should be continued, with Mr. C. Heywood, of Messrs. Harper, Pilling & Co., as liquidator.

H. L. Garbett (Chemists), Ltd., Station Road, Crynant, Glamorgan. At the meeting of the creditors of the above the statement of affairs showed ranking liabilities of £1,735 17s. 2d. The assets totalled £128 4s. 5d., or a deficiency of £1,607 12s. 9d. as regarded the creditors. The issued capital was £150, and the deficiency so far as the shareholders were concerned was £1,757 2s. 9d. The company was registered in August 1934 with a nominal and issued capital of £150. In 1935 the company opened a branch at Abercrave, but it was closed in October 1937. Another branch was opened during 1936 at Banwen, near Neath, and was closed in September last. A further branch at Ystradgynlais, near Swansea, was opened in July of last year and was still being conducted. Recently creditors had pressed and executions had been paid out. The creditors decided to confirm the voluntary liquidation of the company, with Mr. W. Wood, accountant, Neath, as liquidator, with a committee.

P.D.A. Annual Meeting

THE annual general meeting of the Photographic Dealers' Association was held at the Grosvenor Restaurant, Glasgow, on May 25. This was the first time that an annual meeting had been held out of London. The president, Mr. Alec Hoare (Derby), extended a cordial welcome to all members present. The annual report of the National Council was adopted on the proposition of Mr. R. H. Dennison (Newcastle-on-Tyne), seconded by Mr. E. Butterwick (Hull) Mr. J. Paterson, in presenting the accounts, explained differences in the items of expenditure and income compared with last year's figures. The accounts were adopted.

Past-Presidents

Mr. R. H. Dennison proposed, and Mr. H. Thom seconded, that Rule 12 be amended as follows: Line 5. After "as," insert, "were Past-Presidents on May 26, 1938, and." Line 6. After "Rule 5," insert, "Each president during his year of office to remain as the elected member for his area, and to continue to represent this area without further election for a period of two years after his year of office."

The national council at the moment consists of eighteen elected area representatives and past-presidents. The effect of the above proposition would be that the present past-presidents remain on the council, but, in future, the immediate past-president would retain his seat on the council for a further two years, and then automatically retire, but be eligible for re-election as area representative. Miss F. Foxall proposed, and Mr. J. Lomax seconded, the following amendment on behalf of the Manchester Branch:—That the portion of Rule 12—"and of such past-presidents of the Association as are still subscribing members of the Association or are registered as members under Rule 5" be rescinded; that the retiring presidents may retain their position on the council for a maximum period of three years after completion of their presidential year. Mr. J. E. Crowe (Sheffield) proposed a further amendment as follows, which was seconded by Mr. G. A. McLean Lee (Dublin): That this annual general meeting, whilst appreciating that a certain revision is necessary regarding past-presidents remaining on the council, refers this question back to the branches for further discussion to be brought forward at the next annual general meeting. The second amendment (proposed by Mr. Crowe) on being put to the meeting was approved and carried as the substantive motion as above.

Council Election Result

The secretary read the following names of area representatives elected for the two years 1938-40:—*Area 2*, J. M. Edwards, London, E.6; *Area 4*, J. Paterson, London, S.E.18; *Area 6*, F. W. Beken, Cowes; *Area 8*, Frank Edwards, Cardiff; *Area 10*, A. Hoare, Derby; *Area 12*, H. Mottershaw, Sheffield; *Area 14*, B. A. Macfarlane, Llandudno; *Area 16*, W. Spence Culbert, Airdrie; *Area 18*, Lyall G. Smith, Dublin. The officers elected for the ensuing year were as follows:—*President*, Mr. H. Mottershaw (Sheffield); *Vice-President*, Mr. W. Spence Culbert (Airdrie); *Treasurer*, Mr. J. Paterson, London, S.E.; *Auditors*, Messrs. Moustardiers; *Scrutineers*, Messrs. J. Hearle (London, N.) and J. Milner (London, S.E.).

Association's Policy for 1938-39

The statement of policy for the previous year, as forwarded to members, was considered, and approved in principle for the ensuing year. Mr. C. A. Hewitt (Hull) urged that all steps possible be taken to offer more tangible benefits to members, including the regulation of the opening of new accounts. Mr. G. A. McLean Lee (Dublin) suggested that manufacturers be asked to discontinue supplies of sensitive material to finishers who cut the prices of D. and P. work. A number of other members contributed to the discussion, including Messrs. Howe (Bath), E. Butterwick (Hull), J. E. Crowe (Sheffield), R. H. Dennison (Newcastle-on-Tyne), G. J. Lindsay (Dundee), H. W. Thomas (Glasgow), R. C. McKechnie (Edinburgh), F. W. Beken (Cowes), and W. Thompson (London, E.). It was agreed that the points raised and recommendations be referred to the National Council.

Certificate of Qualification for Assistants

Mr. J. Lomax (Manchester) introduced this subject, stating that the national council had approved preliminary plans which would be put into immediate operation providing sufficient support was forthcoming from members and assistants. It was proposed that written and practical examinations be held annually in London, Manchester and Glasgow; entrance fee to be £2 2s., including cost of registration and certificate. Mr. C. A. Hewitt (Hull) suggested that a text-book be prepared suitable for assistants, dealing with all aspects of photographic retailing, and written from the dealers' point of view. Mr. J. Smith (Dublin) and Mr. R. C. McKechnie (Edinburgh) stressed the advisability of lectures for assistants being organised by local branches.

Awards for Best Photographs by Members

A good deal of interest was shown in the arrangements being made, which were outlined by Mr. F. W. Beken (Cowes), for an exhibition of photographs by members, with special sections for assistants, and for those who have won no previous award. This exhibition is to be held at the time of the next annual dinner, November 9, at the Park Lane Hotel, London, W.1, and is to be available afterwards for displays, open to the public, arranged by local branches.

Camera Exchange Allowances

Mr. R. C. McKechnie. (Edinburgh) inquired what progress had been possible in evolving a scheme for regulating allowances on cameras taken in part exchange.

The secretary (Mr. E. J. Andrews) reported that camera exchange allowances had been twice considered recently by the national council; further, during the German tour in March, councillors had discussed the question with prominent German photographic dealers, who had explained the system operating in their country, where it receives state support. He added that a small committee had now been appointed by the national council, with power to co-opt dealers particularly interested in this problem. This committee would be investigating the possibility of issuing a recommended scale of allowances. Meanwhile, a recommendation to members had been agreed at a meeting of apparatus dealers that for apparatus taken in part exchange an allowance of not more than 66⅔ per cent. be granted as the maximum.

Recent Wills

Mr. John Daniel Jenkins, M.P.S., 112 Crwys Road, Cardiff, who died on December 23, 1937, left £1,725, with net personalty nil.

Mr. William Snow, M.P.S., 257 Price Street, Birkenhead, Cheshire, who died on January 19, left estate of the value of £9,571, with net personalty £7,659.

Mr. William Gill, M.P.S., "The Croft," High View Avenue, Nicker Hill, Keyworth, Notts, who died on February 5, left estate of the gross value of £3,393, with net personalty £1,875.

Mr. Giles Henry Zeal, 47 Malvern Court, South Kensington, London, S.W., chairman of G. H. Zeal, Ltd., thermometer manufacturers, Morden, S.W., who died on March 27, left estate of the gross value of £58,263, with net personalty £56,482.

Mr. William James Osborn, Keats Avenue, Chain Lane, Littleover, Derby, joint managing director of F. Longdon & Co., Ltd., surgical bandage manufacturers, who died on April 19, left estate of the gross value of £36,898, with net personalty £31,174.

Mr. David Walsh, Newry Street, Banbridge, co. Down, chemist, who died on January 5, 1938, left personal estate in Great Britain and Northern Ireland valued at £16,408.

Mr. Charles Albert Jago, Hollydene, Little Green Lane, Chertsey, Surrey, chemist and druggist, who died on March 5, left estate of the gross value of £922, with net personalty £3,123.

New Benger Factory

IN the heart of Cheshire, amid picturesque country surroundings, stands the new home of Benger's Food, Ltd.—a concern which is well known to all pharmacists. The progress made by pharmaceutical houses, as shown by the need for internal expansion and the acquisition of new works and laboratories, has always been a subject which THE CHEMIST AND DRUGGIST has endeavoured to keep before its readers, and from time to time accounts of visits to new factories are published in these pages. It is many years since the first investigations were carried out which led to the introduction of Benger's liquor pancreaticus, and later as a modification, of Benger's Food. It was about the year 1880 that extracts of pancreas were prepared for the late Sir William Roberts, M.D., Professor of Medicine, Manchester University, by the late Mr. Frederick Baden Benger, Ph.C., F.I.C., working in the pharmacy of Mottershead & Co., Manchester. Since that time, other preparations of digestive enzymes have been developed and have formed, as they do to-day, the main activity of the house of Benger.

The new factory, illustrated above, which we have just had the opportunity of inspecting, has been built at Holmes Chapel—some 25 miles south of Manchester—to provide accommodation for the manufacture of new pharmaceutical and medical products. It stands in what will shortly be spacious gardens at the front and at one side, and sports grounds on the other side, and has been built as a square bounding a quadrangle which will be made into a lawn and rose garden. The main frontal portion of the building contains on the ground floor, stock rooms, dispatch and printing departments and on the upper floor, executive and general offices, laboratory and board room. The manufacturing processes and packing of Benger's Food and other specialities are carried out in the rear portion of the factory. Striking features of the manufacturing section are the glazed white tiles, which surface the walls from ground to ceiling—an introduction which makes for brightness and cleanliness in any building—the loftiness and spaciousness of all departments, the modern decorations and lighting and the red tiled floor which is laid throughout. In our tour of the works, we examined the various stages in the manufacture of Benger's Food. These involve the mincing of pancreas and maceration for the extraction of trypsin, a proteolytic enzyme, and amylopsin, a starch splitting enzyme, straining, filtering and concentrating the resultant extract. This is then added to the specially prepared farinaceous base in a pancreatising machine of special design as shown in Fig. 4 on p. 670, from which it is conveyed to a final mixing machine. A battery of automatic machines for filling the finished product into tins is seen in the illustration of the packing department, Fig. 1. and Fig. 2 shows a close-up view of one of these machines.

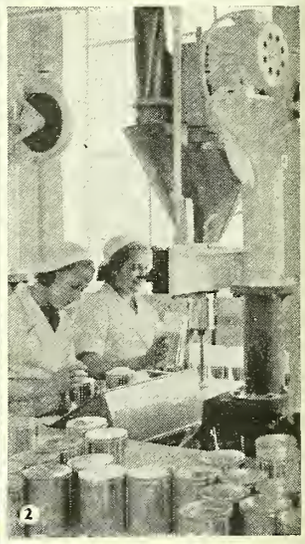
Medical Specialities

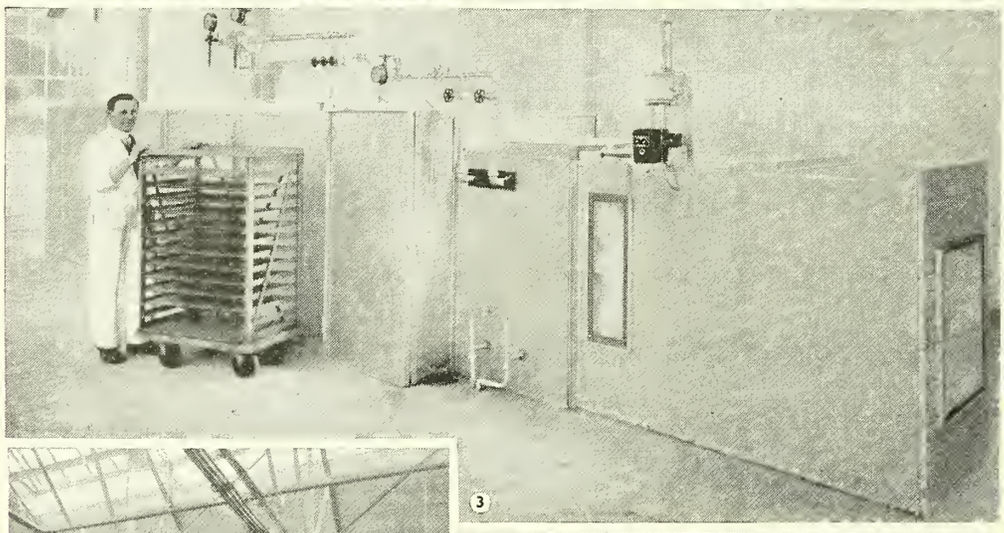
Hog stomach tissue, which is used as an alternative to liver extract in cases of pernicious anæmia, particularly in the maintenance stages, is another important speciality of the firm. In its manufacture, the fresh stomachs, taken immediately after slaughter, are trimmed free from fat, minced, and then spread on glass shelves mounted on trolleys, which are transferred to the drying stove—seen in Fig. 3. After the requisite amount of desiccation, the tissue is pulverised and samples of it are sent to the laboratory for chemical and bacteriological tests. The utmost importance is attached to these bacteriological tests as an assurance that the product is free from pathogenic organisms. It is found that there is a close relationship between the enzymatic activity of the pepsin present and the hæmopoietic value of the tissue—a fact which is made use of in the analytical control of the product. The following are some of the other Benger digestive preparations:—Liquor pancreaticus, an active solution of the digestive enzymes of the pancreas used for pre-digesting a variety of protein and farinaceous foods. Its optimum range of activity is about *p*H 6.8-9.5, and when administered with meals considerable digestion takes place before the free hydrochloric acid in the gastric juices permeates the food in the stomach and ends the process; Liquor pepticus, which is used for digesting meat, eggs and other protein foods and contains active pepsin in a concentrated form and dilute hydrochloric acid. Its optimum *p*H is about 1.8-2.2; Peptonised chicken and beef jellies, which are prepared respectively from chicken and beef by digestion with trypsin so that the protein is obtained in a soluble and easily assimilated form; Peptonising powders, which contain active enzymes of the pancreas with a suitable amount of added sodium bicarbonate, and are used as an alternative to liquor pancreaticus; Essence of rennet, which is an active salt-free solution of rennin—an enzyme occurring in both gastric and pancreatic secretions—and is employed for making junket, and salt free whey for special cases of infant feeding. Other special preparations are Pancreatised lentil flour, Extract of red bone marrow, Liquor thyroidin, Pepsin pills and Pancreatin pills.

Enzymes in Benger's Food

The most familiar to the chemist of these products will, no doubt, be Benger's Food, and the principal points about the chemical reactions underlying the use of this preparation are here briefly summarised. When the food is mixed with cold water, and hot milk added—according to the proportions set down in the directions, a temperature is obtained in the mixture which induces enzymatic splitting of the starch base into dextri-maltose and maltose, some of the latter being further hydrolysed to glucose by pancreatic maltase. At the same time the trypsin present in the food partly splits up the protein in the flour and the milk, with the formation of proteoses, and on prolonged digestion, peptone. It should be noted here that there is not sufficient of the tryptic ferment present in the food to effect complete pre-digestion of the mixture. If a completely predigested food is required, however, more ferment can be added in the form of liquor pancreaticus or peptonising powder. This point is important when considering the question of atrophy or gradual loss of digestive function from unused powers. Whilst, however, a pre-digestion of the food is carried a stage further, if the directions are closely followed, there is always something more for the digestive functions to carry out themselves. From the foregoing the extreme elasticity of Benger's Food as a diet will be obvious.

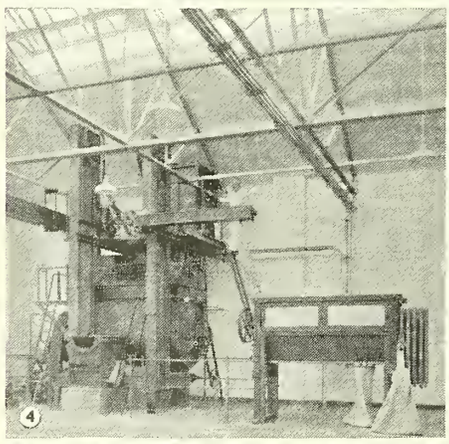
Partial pre-digestion is a form of substitution therapy for lost powers of the stomach, which is valuable for the completion of further processes of digestion which occur lower in the alimentary canal. After the period of pre-digestion of the mixture, that is, by allowing it to stand for 15-30 minutes, according to the degree of digestion required, the mixture is heated to boiling to arrest the enzymatic process.

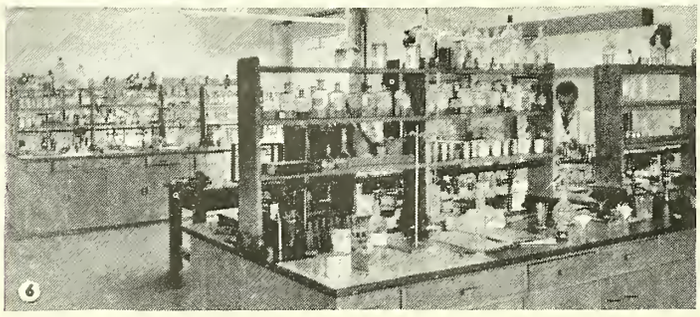


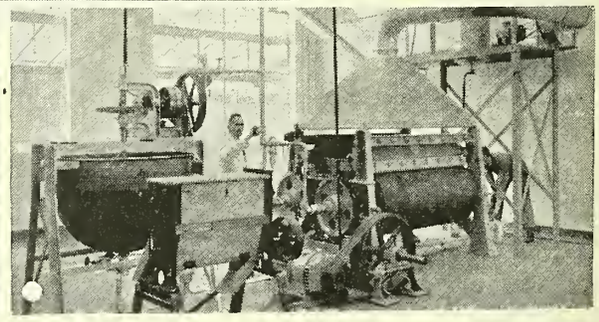


Benger's Factory

1. Filling and packing Benger's Food.
2. Filling machine.
3. Desiccating oven for hog's stomach tissue.
4. Pancreatising machine.
5. Entrance hall.
6. A corner of the laboratory.
7. Corner of roller drying room.







It is believed that Benger's Food is regarded by some as a starchy food—a view which is far from being accurate, because although it contains a high proportion of starch in its dry form, when prepared for use the starch content is reduced to a small fraction, as can be seen from the following analyses:—

Dry Form

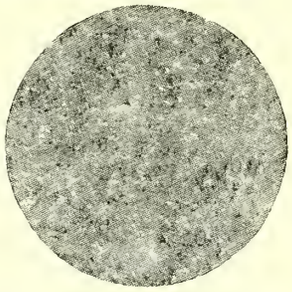
Fat	0·919
Proteins	12·187
Carbohydrates :—	
Dextrins and sugars	3·337
Starch...	77·023
Cellulose	0·292
Ash	0·969

Prepared with cow's milk

	Digested for 15 mins.	Digested for 30 mins.
Fat	3·05	3·05
Proteins	3·66	3·66
Sugars :—		
Lactose ... ... / Dextrins ... ... / Maltose	7·9	8·7
Starch	1·5	0·5
Ash	0·70	0·70

The advantage of Benger's Food as a dietetic preparation is most aptly illustrated by the accompanying plates. Cow's milk in the presence of the gastric juice forms dense clots difficult of digestion, but the addition of Benger's Food successfully prevents the formation of these large curds and presents to the alimentary system a food of easy assimilation without strain on the digestive powers. The degree of self-digestion of both milk and food can be terminated at any stage to suit the needs of individual patients. This again demonstrates the extreme elasticity of Benger's Food as a valuable dietetic preparation. The accompanying illustrations show the curds formed by an artificial gastric juice, containing hydrochloric acid and rennet, at body temperature in a mixture of equal parts of cow's milk and water, and in contrast, the result of adding Benger's Food to a similar mixture and digesting for thirty minutes. Analysis of Bengers' Food has revealed that specimens after being kept for two years have

Curd in a mixture of cow's milk and water



Same mixture after digesting with Benger's Food for thirty minutes

shown no loss of enzyme activity. Constant control is kept on the food by a test which involves its admixture with water and chloride as an activator, and incubation at a definite temperature to induce maltose formation, which is estimated and forms, by reference to a graph, a measure of the enzyme activity of the food.

Pharmacy in Denmark

AFTER 1938 there will be no sale or transfer of druggists' businesses in Denmark. Whenever a business falls vacant it will be advertised by a Government department and handed over to an applicant who has passed his examinations and holds a licence. This policy was introduced six years ago by a Pharmacy Act under which a compulsory commutation fee is paid cash down to the proprietor as each of the 300 pharmacies in the country surrenders its right of sale. The fee varies with the extent of the business, but is debited to the privilege licence and must be repaid, usually over a period of forty years, according to discretion of the Government department. As long ago as 1842 a law was passed limiting the control of a pharmacy to the person granted the first licence and forbidding its sale. This Act applied, however, only to premises opened after 1842, so that until the new Act was passed there was still a large number of pharmacies being sold. It is expected that by the end of this year every pharmacy will be directly under the control of the National Health Service, an official body connected with the Ministry for Home Affairs and having a physician as director.

Age-Limit for Licence Holders

Nobody over fifty-five will now be granted a pharmacy licence. This rule will apply up to 1942, after which year the age limit will be progressively lowered, so that by 1955 nobody over fifty will get a new licence. Those who have a licence issued since 1932 must surrender it on reaching the age of seventy-five—a rule which will hold good to 1942, after which the age limit will be lowered by stages to seventy. In addition, licence holders must be Danish subjects, show that they have full disposal of their estate and management over their affairs and, of course, have passed the necessary examinations. Applications to take over a vacant licence are put before an official Promotion Council of two, one chosen by the Pharmaceutical Society, the other by the assistants' organisation. After investigation, five applicants are selected for consideration by the National Health Service, which in turn reports to the Ministry for Home Affairs. Here the final decision is taken, and the licence is issued under the Royal seal. Pharmacists may surrender a personal licence, being eligible for a pension at the age of seventy. They may pass it on to their widows, their children or children-in-law, provided always that these hold the necessary qualifications. Those who earn more than £270 a year and have a turnover of more than £1,800 a year must pay graded contributions into a special fund, which looks after administration, subsidises and pensions off pharmacists or their widows, makes pension grants to assistants and pays the salaries of Government inspectors and the expenses of a Pharmaceutical Committee.

National Health Service

Supervision of the technical side of the profession is the responsibility of the National Health Service which, comprising medical and pharmaceutical departments, gains most of its powers from an Act passed as far back as 1672. A network of regulations governs the quality of medicines and service for the whole of the population. Except where permission is granted otherwise, every pharmacy must employ a fully qualified assistant, and its service must be accessible to the public twenty-four hours a day. Where a pharmacy is a long way from another the licensee may establish depôts in non-pharmacists' premises. Here clients may hand in prescriptions and receive the made-up medicine by the agency of a frequent delivery service, and may even buy non-prescribed medicines. Doctors do not, as a rule, dispense their own prescriptions, unless they practise on one of the many small isolated islands in the country. Usually the made-up articles are dispatched to the surgery by a pharmacy connected with it. Reference has been made to the Pharmacopœia Committee. This, attached to the National Health Service, has the work of keeping the profession abreast of developments, drawing up and collating medicinal formulas, advising on health matters generally, and controlling the quality of goods sold in the shops. Three inspectors head the staff, and there is an analyst who deals with proprietary lines produced at the several factories inside Denmark. Shops and stock are inspected at least once a year and samples taken for analysis. All manufacturers' preparations have to be submitted for approval before being put on the market, and the Committee doss not allow the same preparation to go under several competitive names. Similarly, exorbitant pricing is checked by a list of wholesale prices regularly issued, and medicines are only passed after a severe test as to quality. Wording of advertisements is controlled. Till a quarter of a century ago the druggist made all medicines on his own premises. Now they are largely produced by Danish manufacturers, and as many as one-third of the prescriptions issued are stated to include proprietary items. Insulin, Leo and Sanocrysin are among the products manufactured for both home and export markets. An unusual stipulation is that insulin and liver and gastric preparations (designated as "vital preparations") must be sold over the counter without profit, a maximum of 10 per cent. being allowed on the wholesale price for "overheads." A State Serum Institute supplies pharmacists with special sera. It makes either no charge for this service or else a most moderate one. The Institute conducts extensive researches. It does not compete with the manufacturers to more than a limited extent, and most of its output is confined to the use of the hospitals and vaccination centres. (*L. K.*)

Trade Notes

BRONNLEY'S TURTLE OIL BATH SOAP.—Illustrated herewith is one of the various attractive display stands available for counter or shelf; it is intended to carry the new three-tablet Bronnley's bath soap, which is made with turtle oil. This

soap, which is issued in six odours, is now packed in boxes of three in addition to the previous six-tablet boxes. Each tablet is wrapped in cellulose transparent paper. Further details may be obtained on application to H. Bronnley & Co., Ltd., Acton Vale, London, W.3.

A BONUS OFFER is made elsewhere in this issue for Kraska liquid nail polish, made by the Kraska Co., Ltd., 65 Portobello Road, London, W.11.

STAFF OUTING.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, close their offices and works on the occasion of their annual staff outing on Saturday, June 11.

NEW SIZE OF EUXESIS.—Aimee Lloyd & Co. (1933), Ltd., 2 Bedford Passage, Charlotte Street, London, W.1, have introduced a sixpenny size of Euxesis Latherless Shave. An extra tube is included free with every order for half a dozen.

DIETARY SERVICE.—Energen Food Co., London, N.W.10, have sent us a copy of the Energen Dietary Service, which is intended for the guidance of patients suffering from certain disorders. Full details may be obtained on application.

"ET-O-BAX" is the name applied to a new medicinal product introduced for prevention of headache. It is packed in tubes of 14. Further information may be obtained from The Et-O-Bax Co., 19 St. Dunstan's Hill, London, E.C.3.

A.R.P. FIRST AID.—The First Aid A.R.P. Outfit 6 for factories, offices, etc., issued by T. J. Smith & Nephew, Neptune Street, Hull, is now available in quantity. This outfit was illustrated in the *C. & D.*, April 30, p. 509.

TOILET SPONGE BAGS AND COMPANIONS, etc., are manufactured under licence from Walt Disney, featuring Snow White and the Seven Dwarfs, exclusively by Arthur Berton, Ltd., 256-260 Old Street, London, E.C.1.

CACHETS FAIVRE BONUS OFFER.—Wilcox, Jozeau & Co., Ltd., North Circular Road, Cricklewood, London, N.W.2, are repeating their special bonus offer on direct orders from the retail trade with Cachets Faivre. Showcards and samples are available. This special offer is open until June 30.

NON-DRIP BOTTLES manufactured by the International Bottle Co., Ltd., 48 Fore Street, London, E.C.2, are advertised in this issue, and details are given of the advantages offered by the scientific design of the patent pouring channel and lip of the drop bottle. Inquiries should be directed to the licensees mentioned in our advertisement pages.

ALKA-SELTZER SHOWCARDS.—We have received specimens of two new Alka-Seltzer showcards which will be sent to chemists with full details of Alka-Seltzer display terms on request. The cards are printed in colour and of a size convenient for either window or counter display. Alka-Seltzer is distributed by Don S. Momand, Ltd., 10-15 Chitty Street, London, W.1.

HALMAGON.—The Tonicity Laboratories, Ltd., 6-8 Emerald Street, London, W.C.1, offer a new display piece illustrated in our advertisement pages as well as a special bonus offer. The new display item is printed in eight colours, the hand of the model being slotted to hold a dummy of the 3s. 6d. pack. One of the two sizes available should be specified.

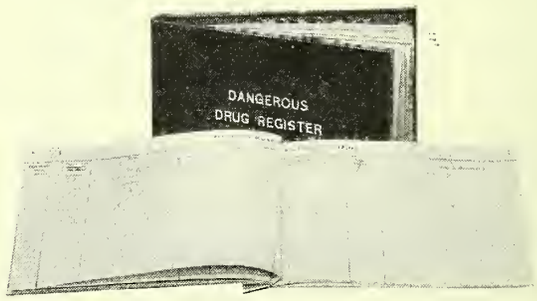
AYRTON'S NEW EXPORT LIST.—We have received a copy of the export catalogue of packed pharmaceuticals, pills, tablets, capsules, etc., made by Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, 1. The price list is bound in stout manilla and consists of 214 pages profusely illustrated and thumb-indexed for easy reference. Any overseas chemist who wishes to receive a copy should write to Messrs. Ayrton.

PEARS FLOOR DISPLAY STAND.—A floor stand issued by A. & F. Pears, Ltd., consists of a 5-ft. high display piece for the floor with good-size platforms in three tiers. It is made throughout of plywood of different thicknesses, and is cellulosed so that it can be washed if necessary. The base is black, and from this rises a dull gold pillar. The three tiers are pale green and the oval frame is green and gold, lettered in black and red. A female figure is lithographed in full colours. This display stand is available from A. & F. Pears, Ltd., London Road, Isleworth, on orders of specific value.

VETERINARY SHOWCARDS.—We have received from A. F. Sherley & Co., Ltd., 18 Marshalsea Road, London, S.E.1, two new showcards produced in colour which are striking in their appeal and should be useful sales aids for Sherley's dog foods, medicines and cleansing preparations. The larger showcard, which is suitable for the centrepiece of a display, measures approximately 20 in. by 21 in. The smaller card, which features the cleansing preparations, measures 9½ in. by 11½ in. They have also several other showcards, specimens of which chemists may obtain on application.

BOB MARTIN'S SUMMER CAMPAIGN.—Bob Martin, Ltd., Southport, Lancs, inform us that their summer campaign of advertising begins this week, and further state that the new campaign is the largest undertaken in the history of the firm. Large spaces have been booked in the National and Provincial Press, and will be supported by other methods of propaganda. The co-ordinating theme of the advertising proposals is again "the plus dog," which was introduced last year and has now become associated with Bob Martin products. Schemes have also been launched in Scotland, Eire and Northern Ireland, and an important window display competition for retailers in the latter territory is contemplated.

LOOSE-SECTION DANGEROUS DRUG REGISTER.—James Woolley Sons & Co., Ltd., Victoria Bridge, Manchester 3, have introduced a new loose-section dangerous drug register which will be found a great improvement on the old type fast bound book which had to be discarded so soon as a single section had been filled. This loose section register has the approval of the Home Office. It consists of a cover in which each section complete



in itself is held by a simple device that permits the removal of a section when filled and the substitution of a new one. It will be remembered that the Home Office definitely barred the use of loose leaf books for the purpose of keeping records. The register is published at 5s. 6d., and measures 9 in. long by 6 in. Further information may be obtained on application.

Coming Events

Wednesday, June 15

Birmingham Pharmaceutical Association. Excursion.

Cardiff Pharmacists' Association. Visit to S. Wales Power Co. works. Coach leaves G.P.O., Westgate Street, at 2.25 p.m.

Manchester Pharmaceutical Association Tennis Club, Platt Fields, at 2.30 p.m. Cupal cup competition.

Tunbridge Wells Branch, Pharmaceutical Society, at Hilden Manor Road House. Summer diversion. Afternoon, bathing and tennis; at 6 p.m., darts competition; at 8 p.m., flannel dance.

Thursday, June 16

North London Pharmaceutical Association. Visit to B.D.H. works, City Road, N.1. Assemble at Wharf Road, 2.15 p.m.

Personalities

Mr. Thomas M. Ridley, M.P.S., Carlisle, has been elected president of the local Rotary Club.

Mr. M. L. Daniels (United Drug Co., Ltd.), has been elected president of the Nottingham Rotary Club.

Mr. C. J. V. Bellamy, Ph.C., Oxford, has been elected a member of the council of the local Rotary Club.

Mr. J. A. Johnstone, M.P.S., Wallingford, has been elected vice-president and treasurer of the local hockey club.

Among the recipients of Birthday Honours conferred by the King is Mr. John Jacob Fox, O.B.E., D.Sc., F.I.C., Government chemist, who has been made a Companion of the Order of the Bath.

Dr. William G. Brown, eldest son of Mr. Gilbert Brown, M.P.S., joint managing director of Walter & Riley, Ltd., chemists, Bolton, recently qualified in medicine and has been appointed to the staff of the Hope Hospital, Salford.

Mr. P. Gillespie, who was recently elected president of the Middlesbrough and District Pharmacists' Association, qualified in 1932, and is twenty-seven years of age. He had two years' experience in Newcastle before taking up his present appointment as manager for Mr. J. S. Turner, 349 Newport Road, Middlesbrough. He is a native of Aberdeen. Portrait, page 663.

Mr. J. E. Goodall, chairman, 1938-39, of the West Middlesex Branch of the Pharmaceutical Society, was apprenticed at Hastings in 1896. He had experience with Hall & King, Folkestone, and Walton & Curtis, West Hampstead, before qualifying in 1906. In 1907 he started his own business at Fulham, followed by others at Putney, Wembley, and Ealing. From 1936-38 he was vice-president and then president of the Wembley Chemists' Association. He is a member of the Middlesex Pharmaceutical Committee, and has been a leading protagonist of the Chemists' Friends scheme. Portrait, p. 663.

Mr. Walter H. Croasdell, chairman, 1938-39, Bradford Branch of the National Pharmaceutical Union, served his apprenticeship with Wilson & Kitchin, Whitehaven, studied at the Royal Dispensary, Edinburgh, and qualified in 1914. After experience in Manchester with Mottershead & Co., he returned to Whitehaven as manager. In 1922 he became manager for Mr. J. L. Hirst, Liverpool (Budden & Co.), and was later with Mr. F. Smith, Birmingham, before becoming proprietor of the business at Toller Lane, Bradford. He has served on several local committees, including the Photographic Dealers' Association, National Pharmaceutical Union, and Pharmaceutical Society branch committees. Portrait, page 663.

Mr. L. Piper, who was recently re-elected chairman of the Ipswich Branch of the Pharmaceutical Society for a sixth year of office, served his apprenticeship with Mr. J. W. P. Chambers, West Bridgford, Nottingham, studied at the Nottingham School of Pharmacy and the London College of Pharmacy, and qualified in 1915. During the four years which followed he was with the Royal Garrison Artillery, acting as dispenser on a troopship during the voyage to India. Following service in that country, he was for two years with the army in Hong Kong. On his return to civil life he had experience as *locum tenens* in various parts of the country before purchasing the business of Mr. M. T. Miner, 248 London Road, Sheffield, where he remained for nine years. He was for some years secretary of the former Sheffield Pharmaceutical and Chemical Society. In 1931 he disposed of his Sheffield business to Boots, Ltd., and purchased the business of Mr. G. N. Edwards, The Wolsey Pharmacy, Ipswich (the reputed birthplace of Cardinal Wolsey). The superstructure dates from 1415, and the cellars from the twelfth century. In addition to being chairman of the local Branch of the Pharmaceutical Society, Mr. Piper is a past-chairman of the Branch of the Photographic Dealers' Association, present secretary of the N.P.U. Branch, and a member of the Pharmaceutical Committee. Portrait, page 663.

Births

Notices for insertion in this column must be properly authenticated.

Thomas.—At "Riverdale," Wroxham, Norwich, on June 2, the wife of T. W. Thomas, Ph.C., (chief pharmacist, the Norfolk and Norwich Hospital), of a daughter.

Marriages

Craig—Pollock.—At Eastwood Parish Church, Glasgow, on June 4, Robert Craig, M.P.S., Glasgow, to Dora V. Pollock.

Jackson—Prescott.—At the Parish Church, Leigh, Lancs, on May 30, Reginald W. Jackson, M.P.S., to Elsie Prescott.

McGregor—McIntyre.—At St. Andrew's Church, Bridge-of-Allan, on June 1, Donald McGregor, M.P.S., Stirling, to Mary McIntyre.

Scott—Vignot.—On June 2, Henri B. Scott, pharmacien de première classe, son of Mr. A. W. B. Scott, chemist and druggist (Pharmacie Scott, Paris), to Irène Vignot.

Deaths

Foster.—At Cork, on May 25, Mr. Thomas Lyster Foster, M.P.S.I., 4 Cook Street. Mr. Foster passed the Licence examination in 1899 and had been in business in Cork for 30 years. He was a native of Belfast.

Dewar.—In an Edinburgh nursing home, on May 27, Mr. Donald Dewar, M.P.S., J.P., Portree, Isle of Skye. Mr. Dewar passed the Minor examination of the Pharmaceutical Society in 1899.

Giuliani.—At 289 Byres Road, Glasgow, on June 1, of Mr. Adolph Giuliani, M.P.S. Mr. Giuliani passed the Qualifying examination in 1916.

Kemp.—In a Glasgow nursing home, on June 1, Mr. Joseph A. Kemp, M.P.S., 115 Cowgate, Kirkintilloch. A native of Hamilton he went to Kirkintilloch nearly thirty years ago and entered the Town Council in 1925, becoming a magistrate in 1929, and resigning in 1931.

Miles.—On May 27, Mr. Frederick John Miles, M.P.S., Baxter's Plain, Kings Lynn, aged ninety. Mr. Miles passed the Modified examination of the Pharmaceutical Society in 1869. He had carried on business at Lynn since 1880, and prior to this had traded for eleven years at Walton, Norfolk. He had been a member of the town council and was the oldest local magistrate, having been appointed in 1906. Another position which he held for a considerable period was that of secretary to Lynn Liberal Association. His son, Dr. Peter Miles, practises in London. At Lynn Police Court, on May 27, tributes were paid to his public services.

Payne.—At the Royal Free Hospital, London, on May 28, after a short illness, Mr. Hiram Payne, chemist and druggist, Welshpool, aged seventy-one. Mr. Hiram Payne was a native of Llandudno. After serving his apprenticeship in Penmaenmawr he went to Welshpool as assistant to the late Mr. Griffiths, 16 Broad Street, and on the latter's retirement Mr. Payne acquired the pharmacy and carried it on until he retired in 1921. Mr. Payne was dispenser at the Welshpool Dispensary for thirty years. His other activities included membership of the Welshpool Borough Council until recently. He was also a governor of the Welshpool County Schools and chairman of the local Conservative Club. He leaves a widow and two daughters. The funeral took place at Brookwood Cemetery on May 31.

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B/26 Vero massage glove
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THE

CHEMIST AND DRUGGIST

VOL. CXXVIII June 11, 1938 NO. 3044

CONTENTS

	PAGE
Births	673
Business Changes	661
Coming Events	673
Company News	667
Correspondence:— Letters	686
Miscellaneous Inquiries	686
Deaths	673
Demolition of Shop Premises	679
Editorial Articles:— A.R.P. and the Pharmacist	675
Cosmetic Sales to the Empire	675
Essential Commodities Reserves	676
Golfing Events	666
Information Department	674
Insurance Act Dispensing	678
Irish Notes	664
Marriages	673
New Benger Factory	669
New French Codex	677
News in Pictures	663
News of the Week	661
Parliamentary News	666
Personalities	673
Pharmacy in Denmark	671
Photographic Dealers' Association	668
Recent Research	676
Recent Wills	668
Retrospect	686
Scottish Notes	665
Toilet Displays in Tokio	681
Topical Reflections	665
Trade Marks	677
Trade Notes	672
Trade Report	683
U.S.A. Cosmetic Exports	682
Vitamin F in Cosmetics	679

A.R.P. and the Pharmacist

THERE are at least two noteworthy aspects of the effusive memorandum issued by the Pharmaceutical Society (*C. & D.*, June 4, p. 642) on the rôle of the pharmacist in regard to air-raid precautions. The first is that a great deal has been made of this memorandum, which has been prepared after consultation with the Air-Raid Precautions Department of the Home Office by the Public Services Committee of the Council. Secondly it seems curious that the arrangements come to between the Pharmaceutical Society and the A.R.P. Department should be considered of sufficient interest to the lay public to warrant the publication of details before they have appeared in the Press which is specially concerned with the trade. The relationship is after all purely a domestic one and arose at what is actually a private meeting from which the Press generally is excluded. THE CHEMIST AND DRUGGIST is an exception, being privileged by long custom to have permission to be represented at the Council's open deliberations on the Wednesday. So far as we can judge, after careful examination of this memorandum, there is in effect nothing altered since the pharmacist's position in regard to air-raid precaution work was discussed for the first time in the trade Press (in the *C. & D.*, November 14, 1936, p. 553, and at a later date, April 30, 1938, p. 504). Whether this memorandum has been issued as a sop to pharmacists in general need not be discussed, yet the truth of the matter is that the pharmacist until he is trained is in no better a position than any other person in regard to A.R.P. duties—apart from the conclusion which had already been arrived at that the most valuable service which a pharmacist in control of a pharmacy could render in time of war was to remain in his shop. Individual pharmacists are urged, unless in single-handed control of a pharmacy, to take every opportunity afforded by the branch or otherwise ("otherwise" including appeals from A.R.P. committees) to attend courses of instruction in air-raid precautions and in first aid. There need be no quarrel with this insistence that the pharmacist must be specially trained, but he must not be expected to believe that he is in any more advantageous a position than the thousand-and-one other individuals who are in various walks of life. Obviously his training would enable him more quickly to acquire the special knowledge necessary, but it is personal to him and does not meet with any special recognition.

With regard to the publication of the arrangements made between the Home Office and the Pharmaceutical Society, it may be considered that this is a "public relations" achievement; if so, it would be interesting to know where it is leading.

Cosmetic Sales to the Empire

THE strong world position of the American toilet and cosmetic preparations industry is clearly indicated in a detailed report of exports for the past five years, issued by the Department of Commerce, Washington, D.C. During these years there has been a general and steady increase in shipments to most destinations, with the 1936 exports totalling approximately $8,100,000, and of this aggregate goods to the value of no less than about $2,750,000 were destined to British Empire countries. The 1937 total value of U.S.A. shipments to all destinations was roughly $9,200,000, and based on the 1936 details British Empire purchases would have amounted to $3,000,000. The outstanding point is that one-third of the American exports go to Empire countries. The following list has been extracted from the full report, published on p. 682 of this issue, of the leading purchases by Empire countries of these classes of American goods :—

	1935	1936
	$	$
India	754,251	807,772
Union of South Africa	430,652	438,707
Canada	301,928	314,597
British Malaya	154,438	153,146
Australia	151,341	146,266
Jamaica	90,047	87,238
Ceylon	85,442	49,824
New Zealand	50,118	79,667
Newfoundland and Labrador	37,130	43,379
Trinidad and Tobago	36,689	40,480

Unfortunately, there are no comparable figures of exports available of British goods of these classes but, in some instances, it is rather doubtful if our shipments to Empire countries reach such good totals. Undoubtedly, our goods do find quite a substantial sale in some Empire countries, but the large and steadily increasing sales of American, and possibly French, goods in these markets is proof that we do not hold the prominent position we should do.

The world trade in cosmetics and toilet preparations has, during the past two or three decades, steadily increased. What were hitherto looked upon as luxuries with a definitely very limited sale are now the general everyday requirements of the masses of the peoples of every country throughout the world. The general use of cosmetics and toilet preparations commenced about thirty years ago; during these years the volume of sales has multiplied many times and has now

reached enormous proportions, with the variety of products constantly being added to. It is evident that the American manufacturers have been alive to this outlet for their goods and have quickly attained a leading position in the world's markets. Details of quantities and values of overseas sales of our own products are not known, but there is no good reason why Empire markets should be dominated, as they appear to be, by American goods. Under the Ottawa Agreements our goods have a preference ranging from 10 to 25 per cent. *ad valorem* over imports of similar classes of foreign goods. We venture to suggest that on the point of quality British goods are at least equal to those of its competitors, and sales prices, so far as they are comparable, do not appear to be against us. Packaging is often a deciding factor in the successful sale of these goods and here again, most of the leading British houses have kept abreast of the times and are offering their products in modern and attractive containers and packages.

British manufacturers have been particularly successful in catering for the ever-growing demands of the home market and their wide range of products has gained a pre-eminent position. There is no reason why they should not attain to a similar position in Empire countries, who, at the present time, are buying American goods to the value of about £600,000 annually. Our manufacturers are well equipped to produce the types of articles favoured in each market. Quite apart from considerations of promoting inter-Empire trade, our goods should command these markets on quality and price alone.

Essential Commodities Reserves

In view of the recent announcement in the Press to the effect that the Government had made important purchases of foodstuffs, it is noteworthy that a Bill has been presented before the House entitled "Essential Commodities Reserves." This Bill is to enable the Board of Trade to obtain information as to the commodities which in the opinion of the Board would be essential for the vital needs of the community in war time and to provide for the maintenance of reserves. The presentation of the Bill follows the reference by the Chancellor of the Exchequer in his Budget speech on April 26 to the introduction of legislation conferring powers on the Board of Trade regarding commodities, the financing of certain purchases and other purposes. The Board will be enabled to obtain information from traders concerning stocks of the commodities held by them and the output capacity of plant, space available for storage, etc. Traders will be safeguarded from the publication of such information. The commodities are in effect food for men, forage for animals, fertilisers for land and any raw material from which any of these commodities can be produced, and petroleum products. This Act will be far-reaching in its effects. The word "food" is said to have the same meaning as it has in the Food and Drugs (Adulteration) Act, 1928. This definition is as follows:—

> "The expression 'food' includes any article used for food or drink by man, other than drugs or water, and any article which ordinarily enters into or is used in the composition or preparation of human food, and also includes flavouring matters and constituents."

While there is no indication that drugs, chemicals, surgical appliances, etc., are at present intended to come under this scheme, it is obvious that in the event of the outbreak of hostilities the Government may very quickly act in similar manner in regard to stocks and storage of such articles.

Recent Research

Oil of Marjoram

Clevenger ("Journal of the Association of Official Agricultural Chemists," 1938, 109) has reported on a number of samples of essential oil of marjoram. The oil was distilled from samples of the herb imported into New York during the last six years. The yield is expressed as c.c. per 100 gm. of sample. The oils had the following characters:—

Yield	S.G. at 25°	Rotation + °	Ref. Index at 20°	Ester Value
2·0	0·939	9·0	1·501	13·1
1·7	0·937	6·9	1·496	21·7
1·2	0·896	13·1	1·475	33·0
1·7	0·897	12·8	1·476	22·9
1·5	0·913	9·1	1·486	25·8
1·9	0·910	10·4	1·486	17·2
1·0	0·936	9·3	1·491	20·9
2·9	0·931	6·2	1·497	2·0
1·6	0·935	8·3	1·494	15·1
2·6	0·935	10·3	1·489	5·0
2·4	0·926	9·7	1·489	14·0
1·6	0·900	16·3	1·473	23·6
1·8	0·913	16·8	1·475	39·0
1·5	0·945	8·6	1·495	12·0
1·0	0·909	14·0	1·478	33·7
1·3	0·950	6·05	1·502	9·3
1·6	0·961	4·5	1·508	6·8
1·7	0·927	5·9	1·493	23·0
0·3	0·912	15·2	1·478	28·6

Phenothiazine as an Insecticide

E. L. Smith ("Industrial and Engineering Chemistry," Analytical Edition, 10, 2, p. 60) states that phenothiazine has been found especially toxic to newly hatched codling moth larvæ under laboratory conditions. It has also given a high degree of control in field tests, but it is not in commercial use as yet owing to practical difficulties. Phenothiazine is prepared on a commercial basis by heating 1 mol. of diphenylamine with 2 atoms of sulphur at about 180° C., using iodine as a catalyst. The reaction is practically quantitative and no purification of the product is needed for its use as an insecticide. However, a dark green compound, presumably a polymer or isomer of phenothiazine, is also formed, which is insoluble in ether. This insolubility is utilised in examining commercial phenothiazine, six samples from the same maker showing 1.09 to 1.43 per cent. of matter insoluble in ether. Little or no unchanged diphenylamine was present.

Camphor Assay

E. M. Plein and C. F. Poe ("Industrial and Engineering Chemistry," Analytical Edition, 10, 2, p. 79) find that the dinitrophenylhydrazine methods of the U.S.P. XI and Hampshire and Page for the determination of camphor in alcoholic solutions give low results owing to incomplete reaction. The modification proposed (as below) increases the amount of sulphuric acid in the reagent. This is made by dissolving 3.75 gm. of 2:4-dinitrophenylhydrazine in a warm mixture of 45 c.c. of concentrated sulphuric acid and 45 c.c. of distilled water, and (after cooling) making up to 250 c.c. with distilled water. If necessary, the reagent is filtered before use. The proposed procedure is as follows:—Measure 2 c.c. of spirit of camphor into a 300 c.c. Erlenmeyer flask containing 15 c.c. of alcohol and add 75 c.c. of dinitrophenylhydrazine reagent. Attach the flask to a reflux condenser and heat by immersion in boiling water for four hours. Cool, add 200 c.c. of distilled water, and set aside for twenty-four hours. Transfer the precipitate to a tared Gooch crucible and wash with distilled water until the washings are no longer acid to litmus paper. Remove excess water by suction, dry the crucible and precipitate to constant weight at 100° C. The weight of the precipitate multiplied by 22.9 equals the weight of camphor in 100 c.c. of spirit of camphor. The average recover amounts to 98 per cent., and it is suggested that 0.2 per cent. be added as a correction for loss.

New French Codex

(*Continued from* The Chemist and Druggist, *May* 28, *p*, 623)

Chemical Products

M-Acétylamino-p-hydroxyphénylarsinique, acide (new).—$C_8H_{10}O_5NAs$ = 275·00. Arsenic variation, minimum 27 per cent., maximum 27·5 per cent. (Acetarsol.)

p-Aminobenzoyl-diéthylaminoéthanol, Chlorhydrate de (new).—$C_{13}H_{20}O_2N_2HCl$=272·63. M.p. 154° to 155°. (Procaine).

Argent, Proteinate de (new).—Minimum 8 per cent. silver. Alkalinity, expressed as soda, must not exceed 2·8 per cent.

Argent, Vitellinate de (new).—Alkalinity, expressed as soda, must not exceed 3·2 per cent. Minimum 20 per cent. silver.

Arsenic. Triiodure de (new).—AsI_3 = 455·67. At least 99 per cent. arsenic tri-iodide.

Baryum, Sulfate de (new).—$BaSO_4$ = 233·42. White powder, insoluble in water and acids. There is also a sulfate de baryum gélatineux, from previous edition.

Bismuth, Azotate Basique de, Leger (new).—79 per cent. to 81 per cent. anhydrous bismuth oxide (Bi_2O_3) 15½ per cent. to 17 per cent. nitric anhydride (N_2O_5).

Bismuth, Carbonate de (new).—$(Bi_2O_2CO_3)_2H_2O$. Anhydrous bismuth oxide, Bi_2O_3, minimum 89 per cent., maximum 92 per cent. Nitric anhydride not more than 1 per cent.

Calcium, Gluconate de (new).—$C_{12}H_{22}O_{14}Ca,H_2O$ = 448·27. M.p. of crystals 200° to 202°. Minimum 12·4 per cent., maximum 12·8 calcium oxide.

Calcium, Lactate de (new).—$(C_3H_5O_3)_2Ca$, 5 H_2O = 308·24. Minimum 70 per cent. anhydrous salt, containing 98 per cent. calcium lactate, corresponding to 17·82 per cent. calcium oxide.

Camphre artificiel (new).—Same characters as Japanese camphor except that its rotatory power is feeble or nil. M.p 175°—must not be lower than 170°.

Chloramine T (new).—$C_7H_7O_2SNClNa$, 3 H_2O = 281·6. Minimum of chlorine 24 per cent. to 26 per cent.

Cholestérol (new).—$C_{27}H_{46}O$ = 386·36. M.p. 148°–149°. Soluble in 384 parts of water, 52 parts of absolute alcohol.

Creosote, Carbonate de (new).—Mixture of the carbonic esters of the phenols of creosote (guaiacol and cresol chiefly) 0·1 per cent. ash.

Diamino-acridine, Chlorhydrate de (new).—$C_{14}H_{14}N_3Cl$ = 259·6 + $C_{13}H_{12}N_3Cl$ = 245·6 in equimolecular proportions. Solubility in cold water varies, but always more than 2 per cent., in boiling water completely soluble in all proportions.

Inosito-hexaphosphate Mixte de Calcium et Magnésium (new).—Various organic phosphorus products extracted from chlorophyllous. A salt of the hexaphosphoric ester of active inositol. Maximum 19 per cent. phosphorus in the products dried at 105°.

Nucleinique, Acide (new).—Approximately, phosphorus 9·50 per cent., nitrogen 16·10 per cent. At least 9 per cent. phosphorus and 14·5 per cent. nitrogen in product dried at 102°.

Ouabaïne (new).—$C_{30}H_{46}O_{12}$ 9 H_2O = 598·36 and 9H_2O. From the seeds of *Strophanthus gratus*, or from the wood of *Acokanthera Ouabaio*. International standard for biological standardisation.

Oxy-Quinoline, Sulfate d'Ortho (new). — $(C_9H_7ON)_2$ H_2SO_4 = 388·20. Light yellow powder, saffron odour. M.p. 175° to 177°.

Quinine, Bisulfate de.—Appeared in the 1866 edition, also in that of 1884–95, dropped in the 1908 and now revived.

Quinine, Carbonate de (new).—M.p. 189°. Tasteless in neutral or alkaline medium, bitter in acid medium.

Quinine, Iodobismuthate de (new).—Bright red powder. 20·50 per cent. minimum and 24 per cent. maximum bismuth; 56 per cent. minimum iodine; 15·50 per cent. minimum quinine.

Salicine.—$C_{13}H_{18}O_7$ = 286·14. M.p. 201°. Glucoside from the bark of various members of the *Salicacæ*. Appeared in the 1837 Codex, now revived.

Sodium, m-Acétylamino-p-hydroxyphénylarsinate de (new).—$C_8H_9O_5N$ As Na,5H_2O = 387·05. Minimum 19 per cent., maximum 19·5 per cent. arsenic.

Sodium, Azotite de (new).—$NaNO_2$ = 69. Deliquescent. Minimum 95 per cent. sodium nitrite.

Sodium, Citrate de (new).—$(C_6H_5O_7Na_3)_2$ 11 H_2O = 714·23. Minimum 99 per cent. hydrous sodium citrate.

Sodium, Cinnamate de (new).—$C_9H_7O_2Na$½H_2O = 179·06. Should be entirely soluble in water. Clear solution should be slightly alkaline.

Sodium, Indigo sulfonate de (new).—$C_{16}H_8N_2O_8S_2Na_2$ = 466·20. Dried at 100° loses 10 to 12 per cent. water. Very slightly soluble in cold water.

Sodium, Nucléinate de (new).—The dried product should contain minimum 14 per cent. nitrogen, 8·5 per cent. phosphorus.

Sodium, n-Phényl-Glycollamide-p-Arsinate de (new).—$C_8H_{10}O_4N_2As$ Na, ½ H_2O = 305. Minimum 24·4 per cent., maximum 24·9 per cent. arsenic. (Tryparsone.)

Sodium, Sulfité neutre de (new).—Na_2SO_3 = 126·05. Soluble in 3·2 parts water. Minimum 90 per cent. of the salt.

Sodium, Tétraiodophtaléinate de (new).—$C_{20}H_8O_4I_4Na_2$, 3 H_2O = 919·78. Iodine 52 per cent. and 85 per cent. of tetra-iodophthalein. (Iodophthalein.)

Stéarique, Acide (new).—A mixture of various fatty acids in varying proportions. M.p. not lower than 56°. Solidifying point not below 54°.

Totaquina (new).—Practically the total alkaloids of cinchona. 70 per cent. crystalline alkaloids of which 15 per cent. at least is quinine with 20 per cent. maximum of amorphous alkaloids. Mineral matter 5 per cent., water 5 per cent. maximum.

Trinitroglycérine (new).—$C_3H_5N_3O_9$ = 227·06. Density at 20° 1·6. Freezes at −18°. Decomposes at 60°.

Vert Malachite (new).—$C_{23}H_{25}N_2Cl$ = 364·67. Brilliant green crystals, soluble in water and alcohol.

Xylène (new).—C_8H_{10} = 106·08. Contains 70 per cent. metaxylene, 20 per cent. paraxylene, 10 per cent. orthoxylene. B.p. 137° to 144°.

(*To be continued*)

Trade-Mark Applications

(*From "The Trade Marks Journal," May 25, 1938*)

"Devoral"; for photographic chemicals, etc. (1). By Société des Usines Chimiques Rhone-Poulenc, 21 Rue Jean-Goujon, Paris (8e), France. 584,364.

"Summit" with mountain design; for photographic chemicals, etc. (1). By The Kenilworth Manufacturing Co., Ltd., and Associated British Industries, Ltd., 5 St. Dunstan's Hill, London, E.C.3. 583,893.

"Sulphos"; for fertilisers containing sulphur and phosphorus (2). By Sulfurophosphate Manufacturing Co., Ltd., Richmond Walk, Stonehouse Pool, Devonport. 579,158.

"Proviran"; for veterinary, sanitary, and medicinal chemicals, etc. (2) (3). By May & Baker, Ltd., 42 St. Paul's Churchyard, London, E.C.4. 584,810/1. (Associated.)

"Dandex"; for veterinary chemicals for grooming dogs (2). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted, Herts. 584,514.

"Maplan"; for veterinary, sanitary and medicinal chemicals (2) (3). By Boots, Ltd., 37 Station Street, Nottingham. 584,923/862. (Associated.)

"Pillodine"; for pills (3). By Dermine, Ltd., 38 Hermitage Lane, London, N.W.3. 582,235.

"Rubiazol"; for medicinal chemicals (3). By Roussel Laboratories, Ltd., 1 Finsbury Square, London, E.C.2. 583,621.

"Genora"; for all goods, excluding medicated wines and soap (3). By Genatosan, Ltd., 43 Regent Street, Loughborough, Leicestershire. 584,207.

"Angelus" and "Cloister"; for medicinal herbs (3). By Joseph Earp Cross, Brettenham House, Lancaster Place, London, W.C.2. 584,969/971. (Associated.)

"Rouse Rowzers" (word "Rowzers" disclaimed); for pills (3). By W. Rouse, 34 High Street, Aylesbury. 585,092.

"Priovit"; for all goods (3). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2. 585,287.

"Agfa 8" in circle (numeral 8 disclaimed); for all goods (8). By I.G. Farbenindustrie A.G., Grüneburgplatz, Frankfort-on-Main, Germany. 585,016. (Associated.)

"Janet Mackintosh" signature; for toilet preparations (48). By Janet Mackintosh, 136 Hogden Lane, Watford. 583,662.

Insurance Act Dispensing

ENGLAND AND WALES

Brighton.—The Minister's decision to impose a fine of £1 1s. on a chemist in the Insurance Committee's area was criticised at a meeting on May 26. The Committee had recommended a fine of £2 2s., as the chemist concerned had already had one fine of £1 1s. A proposal, moved as an amendment to the Medical Benefit Subcommittee's report, that a resolution of protest be sent to the Minister, was defeated after discussion. The seconder said that he thought the Minister's action threw cold water on the Committee's work in trying to look after insured patients.

Derbyshire.—As the result of a deficiency in a mixture tested by the Insurance Committee's analyst, the Committee is to make inquiry of the Pharmaceutical Society as to the position of executor businesses in relation to National Health Insurance. The test revealed a deficiency of 31.1 per cent. of ferri et ammon. cit. and 57.9 per cent. of liq. arsen. The chemist concerned, who had taken charge of the business for the widow of the late owner, explained that when he assumed responsibility there a number of mixtures were already made up, and he had no reason to question their correctness. He used such a mixture for the test prescription. A representative of the executrix stated that the acting chemist was under notice to leave. It was decided to recommend withholding one guinea from the remuneration of the contractor (the executrix).

Peterborough.—At a meeting of the Insurance Committee, recently, discussion arose on whether a doctor in a rural area who prescribed prontosil should be allowed payment over and above the usual allowance for drugs. The Clerk pointed out that the amount allowed to doctors for dispensing to patients at the start of the scheme was 2s. per head per annum. Since then the list of drugs had increased enormously, yet the capitation fee had only increased by 3d. Doctors had been helped somewhat by a special payment for such things as insulin, but prontosil was not on the list. A doctor was fairly fortunate if he kept within his capitation fee, and made nothing for the trouble of getting the drugs. It was agreed that the subject of the dispensing fee should be discussed at the next meeting of the Panel Subcommittee.

Warwickshire.—The Warwickshire Pharmaceutical Committee met at Leamington Spa recently. The secretary reported that the administrative expenses of the committee for 1937 and the estimate for 1938 had been approved by the Ministry of Health. The chairman reported on the result of the National Health Insurance conference held in London in January. A vote of thanks was accorded to the chairman for his report, and to the delegates for their attendance. Recommendations of the Pharmaceutical Services Subcommittee, in four cases submitted for investigation out of a total of fifty-four tests taken, were: Deficiency of 16 per cent. quinine in mist. quinin. c. gelsem., caution; a deficiency of 18.4 per cent. bismuth and 19 per cent. mag. carb. in mist. bismuth fort., penalty of 10s. 6d.; a deficiency of 37 per cent. bismuth and 41 per cent. sod. bicarb., presence of magnesium carbonate and peppermint water in mist. sodii c. bismuth., penalty of £1 1s.; two-oz. gauze cotton tissue supplied not sealed and wrapped by manufacturer, no action.

West Ham.—At a meeting of the Insurance Committee recently, the Pharmaceutical Service Subcommittee reported that they had considered the analysts' report on a drug test which showed excesses in the quantities of certain ingredients. The contractor's representative stated that the only explanation he could offer was that the scales were sticky or otherwise slow in action. The subcommittee were of opinion that there was evidence of lack of care and attention, and recommended that £1 should be withheld from the contractor's remuneration. The subcommittee also reported that, in co-operation with the Joint Services Subcommittee, they had considered an application from the London Co-operative Society for permission to close its pharmacies at 7.30 p.m. on Mondays, Tuesdays and Wednesdays, or, alternatively, for the formation of a rota under which all shops in the borough could close at 7.30 p.m. for three weeks, remaining open until 8 p.m. for the fourth. The subcommittee's decision against varying the hours was approved by the Committee.

Yorkshire (West Riding).—At a recent meeting of the Insurance Committee it was reported that under the testing scheme sixty-two samples of medicines and seventeen of dressings had been taken, and all were found to be correct. A member said there had on occasion been criticism at the leniency of the Pharmaceutical Service Subcommittee, but he thought it was now shown that if there had been leniency it had not had any adverse effect on the pharmacists in the area. The clerk was requested to write to the West Riding Pharmaceutical Committee expressing appreciation. **(North Riding).**—The number of insured persons on the Insurance Committee's register rose from 106,916 in January 1936 to 113,950 in January 1938, notwithstanding a decrease of about 1,000 since October 1937.

SCOTLAND

Aberdeen.—The following have been elected members of the Pharmaceutical Committee of the Aberdeen Burgh Insurance Committee in the next period: Messrs. W. F. Hay, M. K. Watt, John Simpson, John Michie, G. L. S. Spence, A. Meldrum, and James Farquhar.

Ayr.—The following have been elected members of the Pharmaceutical Subcommittee of the Ayr Burgh Insurance Committee for three years from June 1: Messrs. Robert A. Bell, John Henderson, Martin Meldrum, George Thomson, and John Thomson.

Edinburgh.—The number of chemists on the Committee's list continues to increase; there are at present 182, with 240 shops, compared with 169 chemists, with 219 shops, in 1935. There are now only about half a dozen chemists in Edinburgh who do not undertake National Health Insurance dispensing. During the period June 1, 1935, to May 31, 1938, 114 tests were carried out—ninety of drugs and twenty-four of appliances. All were passed as satisfactory except two. In one of these the sample (gauze tissue) was supplied by the chemist in a sealed packet marked B.P.C. quality as received from the manufacturer. In the other case one ingredient (dilute sulphuric acid) in a mixture was found deficient in strength. The explanation was that the chemist's stock of strong acid had absorbed moisture and weakened. As the chemist had put himself to the expense of having his own part of the sample analysed, and had also at once renewed his stock of both strong and dilute sulphuric acid, the Committee decided to take no further action. As a result of the investigation of prescribing carried out, 38 prescriptions were made the subject of surcharge, out of over 800,000 prescriptions issued. During the three years from April 1, 1935, to March 31, 1938, the number of insured persons resident in the Committee's area rose from 182,877 to 192,748.

Fife.—The following persons have been elected to the Pharmaceutical Committee for the county of Fife, as from June 1:—Messrs. A. B. Arnott, Cowdenbeath; C. Barclay, Glencraig; J. Bisset, Burntisland; T. W. Buchanan, Leven; H. Matthew, Dunfermline; R. Ramsay, Cardenden; C. Stewart, Kirkcaldy.

Glasgow.—The annual report, recently issued, of the Burgh Insurance Committee shows that the number of insured persons in the area at January 1, 1938, was 454,949, an increase of 11,686 over the previous year's figure. Over 40 per cent. of the population of Glasgow are insured persons. The amount paid by the Committee for drugs supplied during the year was £49,387 (£49,271 to chemists and £116 to homœopathic doctors who are allowed to dispense for insured persons on their list under a special agreement with the Committee), the increases on the previous year being £2,228 and £10 respectively. Prescriptions dispensed numbered 826,887, an increase of 26,165.

Inverness.—The number of insured persons on the Committee's register at December 31, 1937, was 16,028 (11,746 men and 4,282 women). The number of prescriptions issued during 1937 was 9,575, compared with 8,818 for 1936. The average cost per person showed an increase of 2.79d. per person.

Demolition of Shop Premises

UNDER the Housing Act, 1936, a housing authority may include in a clearance area two classes of property: (1) Dwelling-houses which by reason of disrepair or sanitary defects are unfit for human habitation, or which, although not in themselves unfit for human habitation, are dangerous or injurious to health ; (2) other buildings which are also dangerous or injurious to health. On the other hand, a clearance order may not be made in respect of either dwelling-houses or other buildings, which are included in the area solely because of their being dangerous or injurious to health, subject to an important exception, which will be presently considered and the effect of which has been the subject of a recent and important judgment.

The Case of Compensation

The housing authority, it may be observed, may deal with property in a clearance area in one of two ways. They may in the first place make a clearance order, the effect of which will be that the owner of the property will be obliged to pull down the building without receiving any compensation therefor. Or, in the second place, the authority may make a compulsory purchase order which will entitle them compulsorily to acquire the property and to pay compensation to the owner. It is in the interests of the owner to avoid the making of a clearance order in respect of the property, since if a compulsory purchase order is made, he will be enabled to obtain compensation not only for the land but also for the buildings thereon. As already noted, a clearance order may not be made in respect of any building, whether a dwelling-house or not, which is not unfit for human habitation but which is roped into the clearance solely because of its being dangerous or injurious to health. But a property may count partly as a dwelling-house and partly as business premises. The ground floor may be used, for example, as a chemist's shop, while the upper part may be used as a dwelling. What is the position where the dwelling-house portion of the building is unfit for human habitation and where the entire building has been roped into the clearance area? According to a provision in the Housing Act, 1936 (Schedule III, paragraph 2), and according to the decision above-mentioned, given by the Courts recently, it appears that where any part of a building is used as a dwelling-house, and the dwelling-house part is unfit for human habitation, the whole building can be made the subject of a clearance order, and that, too, even though the remainder of the building, i.e., the shop portion, can only be brought into the area merely because of its being dangerous and injurious to health, and even though it seems the shop part cannot be described as dangerous and injurious to health. The consequence of such a decision may be serious not only to the owner of the property, but also to the luckless tenant of the shop portion. Because, as the clearance order is made in respect of the whole building, the whole building, including the shop portion, will have to be pulled down without the housing authority being liable to pay compensation to anyone.

Landlord and Tenant

If the person who runs the shop is the owner of the building, quite clearly he cannot recover compensation from anyone, but what is his position if he is a tenant? His right in such a case will depend on the terms of his lease or tenancy agreement. He cannot, it seems, recover any compensation at all from the landlord, unless the latter was responsible under the terms of the tenancy to keep the premises in repair, but where the tenant is only tenant of the shop, any repairing covenant by the landlord would apply only to the shop, and the tenant of the shop could not, it seems, make the landlord liable for his omission to keep the dwelling-house portion of the premises in such a state of repair as to prevent a clearance order being made in respect of the premises. The obvious course, therefore, for a tenant to adopt when taking a lease of a shop or of premises comprising a shop is to ensure that his landlord enters into a specific covenant which would safeguard the tenant's right to compensation in the event of a clearance order being made as the result of the landlord's neglect to keep the property in a sufficient state of repair so as to prevent a clearance order being made by the housing authority in respect of the premises. In conclusion, it may be pointed out that where a clearance order is made, either the landlord or the tenant will be entitled to apply to the county court to have the lease determined under Section 160 of the Act.

Vitamin F in Cosmetics

A JUSTIFICATION for the inclusion of "vitamin F" in cosmetics can be found in a survey of the research which has been carried out during recent years on the biological effects of fats in the diet. Subsequent studies of the external application of vitamin F have proved that it has a beneficial effect on the health of the skin and hair. The term vitamin F is applied by some authorities to a substance which is closely related to certain unsaturated fatty acids such as linoleic acid or isolinoleic acid, which are of value in maintaining a normal condition of the skin and in preventing certain ailments of the skin. (As it still appears somewhat doubtful which constituent of the linoleic acids of commerce is the more active in preventing these deficiency symptoms, the term linoleic acid is here used to include both linolic acid—$C_{17}H_{31}COOH$—and linolenic acid—$C_{17}H_{29}COOH$.) Originally the anti-neuritic factor of vitamin B was designated vitamin F by some workers, but this usage was abandoned some time ago. From the widespread occurrence of linoleic acid it is difficult to see how a deficiency of the substance can exist in a human diet. It occurs in varying amounts in linseed, almond, arachis, maize, cotton seed and sesame oils, and also to a certain extent in olive and palm oils, lard, tallow and certain fish oils. A little reflection will recall that lard and linseed oil have been used empirically for centuries externally and internally for a wide number of complaints. A deficiency of vitamin F in the body is manifest by symptoms which influence, among other factors, nutrition of the endocrine glands and certain organs, skin and hair. The skin exhibits in these cases of vitamin F deficiency a roughening, thickening, dryness and susceptibility to various eruptions, whereas the hair becomes brittle and thinner, loses its lustre and commences to fall out. Dandruff also occurs. The nails become dull and show a tendency to brittleness and cracking. As the value of vitamin F applied externally appears to have been proved, it will be seen from these conditions that there is a considerable scope for the application of the substance in the cosmetic industry.

Properties of Vitamin F

Vitamin F is freely soluble in many fatty compounds, such as lanolin, cholesterol, spermaceti, petroleum oils, certain vegetable and animal oils, certain fatty acids and their esters ; and its incorporation into cosmetic preparations is not usually attended with much difficulty. In the majority of these substances, it is reasonably stable, and even when heated to a considerable temperature does not lose much of its activity. It is stated that a temperature of about 240°C. over a period of three hours is necessary to reduce its activity by approximately 5 per cent. per hour. Vitamin F can be easily incorporated into soaps and shampoos of various kinds owing to the fact that it is resistant to saponification. It will be appreciated that as there has been a tendency in recent years to replace, in cosmetics, natural fats by highly refined or synthetic products, which contain to a less extent the active substances which are beneficial to the skin or scalp, the inclusion of vitamin F in cosmetic preparations can be regarded as an important step in the progress of the cosmetic industry. The physiological effect of the active form of linoleic acid is retained in many of the modifications of the acid used. These include the ethyl, propyl, iso-cetyl and other esters and also certain alkali salts and the glyceride. Many different commer-

cial preparations of these latter are available, but the ester and glyceride forms appear to be the most frequently used.

Varying amounts of vitamin F are incorporated by manufacturers of cosmetics into their different preparations. In America particularly large portions appear to have been adopted—for example, creams for the treatment of the nails have contained as much as 40,000 vitamin units per gm., and beauty creams have been known to contain 5,000 units per gm. One authority on the subject advocates that not more than 500 units per gm. and not less than 120 units should be used for facial creams. It might be thought that these figures appear rather high and perhaps more suitable for preparations having a medicinal rather than a cosmetic value. It is believed, however, that a useful standard is 50 to 150 units of vitamin F per gm. of a cream for daily use. Where, of course, there are definite signs of a deficiency, particularly in the case of skin eruptions, such as eczematous conditions, it is always desirable to increase considerably this standard.

Face Creams

The addition of vitamin F to cleansing creams is rational as, owing to their nature, such preparations remove all superficial fat and grease from the skin along with the dust and dirt, and in doing so, remove the valuable lipoids. It is argued that if the creams contained vitamin F to an extent which might be called a "biological saturation," little if any of it will be removed from the skin by the cream, and it has been found that comparatively small amounts of the vitamin are necessary to prevent such removal—approximately 240 units per gm. of cream being mentioned by certain authorities in this connexion. What is regarded as an ideal cleansing cream should be of the same general composition as a nourishing cream except for dilution with emollient oils, and should contain cholesterol, lecithin and vitamin F in a highly oily base and a minimum of water. Such creams are recommended to contain equal parts of cholesterol used in the form of lanolin and lecithin with three times the amount of vitamin F of a strength 4,000 units per gm. As regards nourishing creams or skin foods, these may also contain the three ingredients just mentioned, all being present in the skin and all being absorbed readily enough to control skin disturbances as effectively as if the substances were given internally. In these days when slimming and dieting among women is so fashionable, it is found all too frequently that fats of all kinds are reduced to a minimum in the diet, and in consequence the cutaneous tissues become depleted in them, showing blemishes of different intensity as signs of deficiency.

Beef fat, butter and its substitutes are poor sources of vitamin F. Lard, on the other hand, contains a relatively large proportion, and was at one time used liberally in a normal diet. There is a tendency at the present time to substitute this commodity by fats and oils which are notably deficient in vitamin F, compared with lard. Hydrogenation of fats leads to a reduction of double-bonded acids and hence to a lowering of vitamin F content.

In such instances of vitamin F deficiency the addition of the vitamin as well as cholesterol and lecithin to nourishing creams seems highly desirable, and the principle of the 1:1:3 ratio referred to above for cleansing creams is again advocated, on the grounds that skins on an average contain one part of lecithin and one part of cholesterol to three parts of total unsaturated fatty acids. Skins which show a sensitivity to some of the perfumes used in modern face creams benefit considerably by the application of vitamin F. Nevertheless, it is desirable that irritant perfumes be reduced to a minimum or eliminated entirely in order that the maximum effect may be derived from the preparation. As will be seen from the table below, the vitamin F content of vanishing creams should be approximately the same as that of nourishing creams.

Preparations for the Hair

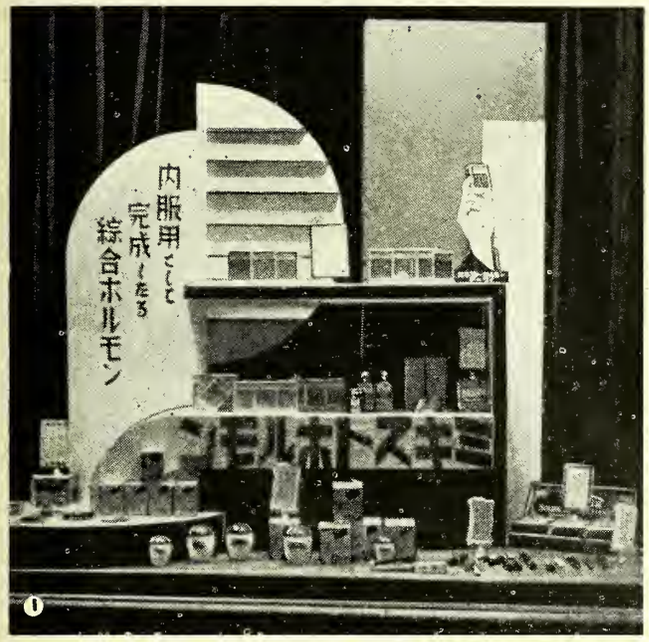
The benefits of feeding linseed meal cake to farm animals for preserving the health of the skin and inducing a fine lustrous coat have long been recognised by those associated with animal rearing. Not until recently, however, has it been realised that this value is associated with the vitamin F content of the oil remaining in the linseed cake. Following the successful topical application of vitamin F during experimental trials, the inclusion of a small amount of the substance in different products for the hair seems to have become established. Thus it has been incorporated into hair tonics, dandruff lotions, permanent waving solutions and separable hair dressings. The vitamin is contained in the petroleum oil layer of the latter to the extent of about 1 per cent. Hair tonics containing castor oil or those which are entirely spirituous are all suitable for introducing vitamin F to the scalp. It should be noted that loss of hair due to destruction of the hair follicles cannot be overcome by vitamin F application, whereas baldness consequent of deficiency in the vitamin responds well to such application. For this kind of treatment larger quantities of the vitamin are necessary than are included in ordinary hair tonics. It is believed that compounds which are largely used in hair preparations, such as betanaphthol, resorcinol and chloral hydrate, hinder the action of vitamin F, and it is recommended that they be omitted from preparations containing the latter. On the other hand, salts of pilocarpine do not possess this disadvantage. Seborrhœic dermatitis due to vitamin F deficiency responds well to applications containing vitamin F, which are rubbed thoroughly into the scalp. Vitamin F can be advantageously added to brilliantine as its prolonged contact with the hair in such dressings restores the natural lustre to the hair, improving that obtained by the preparation itself. Modern soapless shampoos, as well as ordinary soap shampoos, are suitable vehicles for vitamin F, and for this purpose strengths of 2,500 units of the vitamin per gm. of the sulphonated compound used in the former type are recommended.

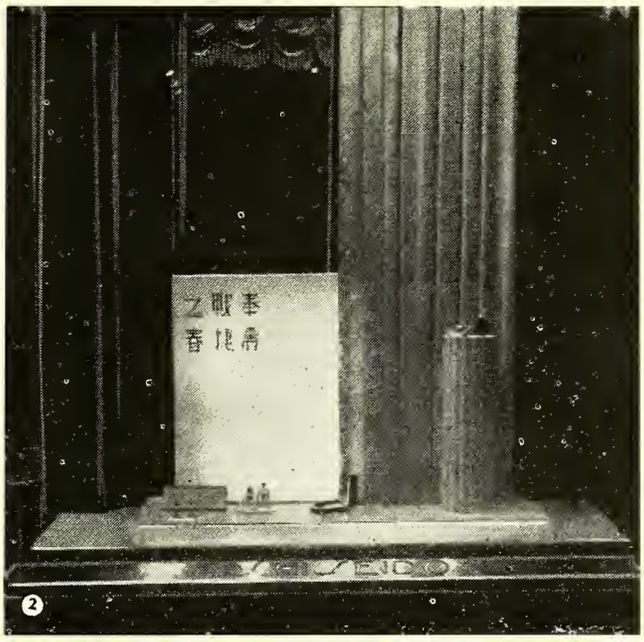
Manicure Preparations

Brittleness and cracking of the nails are often the first outward signs of a deficiency in vitamin F. It is probable that the use of nail varnishes contributes to a slight extent to this condition in individuals who are deficient in the vitamin by removing the oil substances from the nails, but in subjects who are provided with adequate supplies of the vitamin no deleterious action usually follows the use of these preparations. However, the vitamin is now being included in the nail varnishes, as it is readily soluble in the principal organic solvents used for making them. It is also being added to nail polish removers, as even more of the natural fats at the base of the nails are removed by these than by the polishes themselves. Nail pomades which are sold for applying to the cuticle to remedy a brittleness in the nails usually contain fairly large amounts of the vitamin, as absorption from this region can at best only be small. Creams and pomades for this purpose can be made satisfactorily by incorporating the vitamin F concentrate with some suitable base, such as lanolin, carnauba or beeswax, and they are directly to be massaged regularly into the cuticles. The nature of the various lotions, oils and creams for sunburn and suntan makes it possible to incorporate vitamin F in them easily and advantageously. The presence of other ingredients, such as soothing and analgesic medicaments, and also ray-screening compounds, does not appear to impede the beneficial action of vitamin F.

The amounts of vitamin F which may be usefully incorporated into different cosmetic preparations are summarised in the following table taken from a paper by N. I. Shepherd, Chicago:—

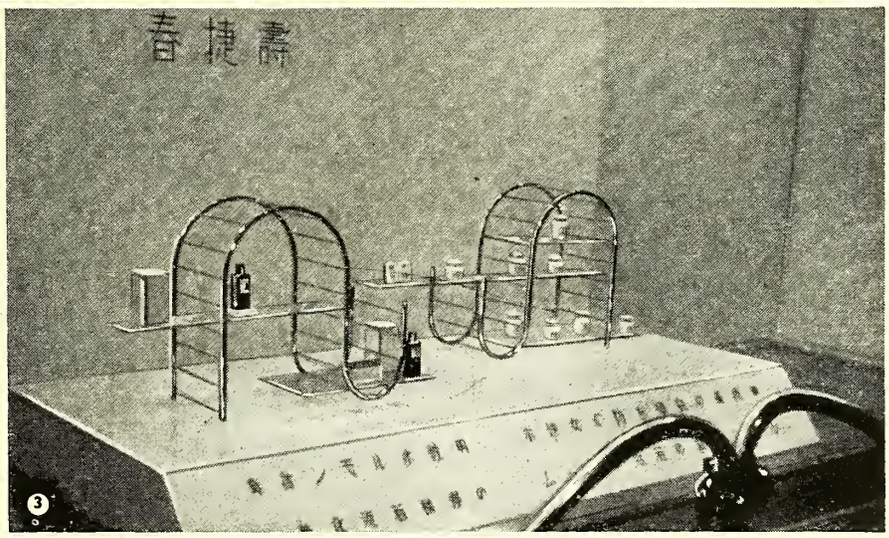
Creams	
Cleansing	240
Nourishing (tissue or lubricating)	120
Vanishing	120
Acne, eczema, etc.	2,500
Hair Preparations	
Hair tonics	50
Special tonics designed for dandruff cures	2,500
For baldness remedies	2,500
Manicure Preparations	
Special pomade for brittle finger-nails	25,000
Nail polish	5,000
Nail polish remover	5,000
Nail pastes	5,000
Sun Preparations	
Remedial	500
Preventive	500
Soaps	
Toilet	150
Medicinal	500

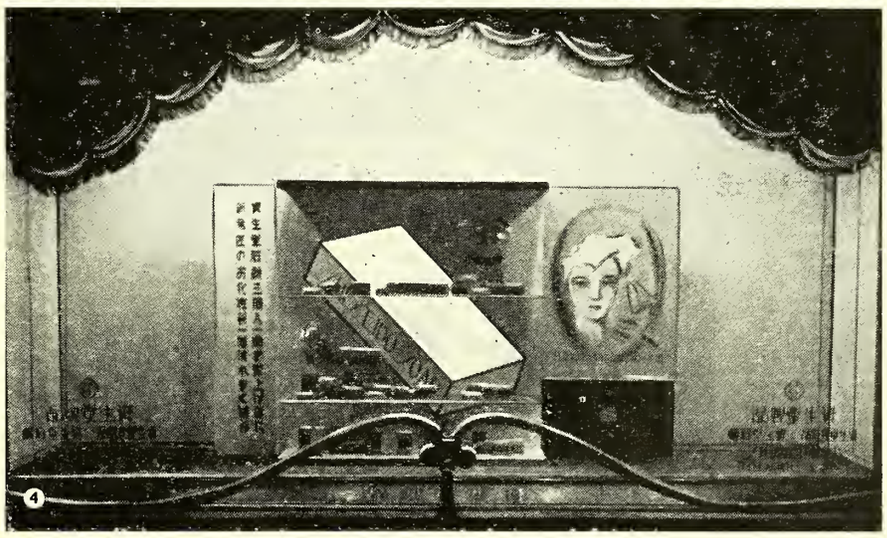




Toilet Displays in Tokio

THE versatility of Japanese display men is shown in the four illustrations of window displays of toilet preparations, each display in a different style. In the first—for shaving creams, razors, brilliantines, and similar goods—use is made of a stand that is quite an adventure in solid geometry. Though apparently lettered specially for the display, there seems no reason why the stand should not serve for other shows of small articles, by simple repainting of certain parts. The second display—for Shiseido perfume—employs fewer properties and fewer items of merchandise. A balanced display is achieved with a drape of material or crepe paper, a light rectangular panel, suitably worded, a fluted cylindrical block, and seven bottles of perfume. Illustration No. 3 suggests how a virtue may be made of the necessity of using showstands. In Britain the aim of many window-dressers is to conceal, as far as possible, the stands on which the goods are placed. In the Japanese display depicted the stands, besides being adapted for use in many ways, and with varying sizes of glass shelf, require no disguise. The fourth display—for Shiseido soap—presents a centrepiece in the manner of a stage background, an effect heightened by the curtain-like pelmet. The small goods are on shelves placed widely apart, but the giant box behind brings them well into the scheme of things.





U.S.A. Toilet Goods and Cosmetic Exports

THE latest figures of exports of American toilet goods and cosmetics, published in the U.S.A. Department of Commerce "World Trade Notes," show that shipments have increased each year since 1933. A strong feature of this overseas trade is the fact that substantial shipments are despatched to practically every country in the world. In four years the value of exports of face powders increased nearly 100 per cent., while the shipments of lipsticks increased from $126,000 in 1933 to $585,000 in 1937. One of the biggest items is "dental creams and other dentifrices," with exports valued at $1,001,000 in 1933 and $1,683,000 in 1937. The total value of shipments of these classes of goods in 1933 was $5,430,000, while in 1937 the aggregate value was nearly $9,200,000.

The following table gives details of the value of shipments to all destinations of various classes of goods coming under the category of toilet goods and cosmetics for the years 1933-37:—

Classes of Goods	1933	1934	1935	1936	1937
Dental creams	1,001	1,219	1,409	1,560	1,683
Other dentifrices	107	99	214	147	147
Talcum powder in packages	447	390	457	500	600
Face and compact powder	171	209	255	303	366
Cold Creams	202	228	237	263	267

(*Continued in next column*)

Classes of Goods (*Continued*)	1933	1934	1935	1936	1937
Vanishing cream	73	119	118	105	119
Other creams, lotions and balms	217	285	304	307	399
Rouges	74	94	103	154	188
Lipsticks	126	201	273	545	585
Other cosmetics	75	83	106	141	174
Manicuring preparations ...	180	232	274	299	324
Depilatories and deodorants	74	64	65	87	72
Hair preparations	348	356	388	488	592
Perfumery and toilet waters	120	114	128	175	179
Other toilet preparations...	97	192	294	271	301
Medicated soaps	181	169	143	148	258
Fancy soaps	716	856	1,073	1,211	1,332
Laundry soaps	621	640	636	604	811
Powdered or flaked soap ...	64	80	103	107	122
Shaving creams	105	131	152	156	155
Shaving cakes, powders and sticks	78	72	86	98	95
Other soap	77	78	96	86	92
Scouring powders	243	228	252	} 321	337
Washing powders	36	42	44		

(In thousands of dollars)

DISTRIBUTION OF SHIPMENTS

The following table gives particulars of the values of shipments to world destinations during 1935 and 1936. It will be noted that India, South Africa and Canada are respectively second, third and fourth largest purchasers of these classes of American goods. According to the report, India is one of the leading markets for dentifrice products; Canada, Australia and South Africa take large quantities of American lipsticks, manicure preparations, creams and rouges, and South Africa and India are among the chief purchasers of shaving creams and toilet soaps.

Destination	1935	1936
	$	$
Albania	74	130
Austria	13,111	19,603
Azores and Madeira Is.	530	50
Belgium	51,021	52,418
Bulgaria	—	60
Czechoslovakia ...	11,317	17,240
Denmark	5,497	5,575
Estonia	—	79
Finland	6,683	8,037
France	71,247	87,815
Germany	26,451	11,730
Gibraltar	6,452	4,288
Greece	17,468	17,609
Hungary	1,820	2,785
Iceland	1,636	1,791
Eire	1,142	255
Italy	35,083	6,210
Latvia	655	31
Lithuania	1,036	16
Malta, Gozo & Cyprus	1,971	2,400
Netherlands	203,288	198,381
Norway	56,985	64,393
Poland and Danzig ...	3,651	4,473
Portugal	2,336	8,285
Rumania	—	—
U.S.S.R. (Europe) ...	178	1,813
Spain	58,747	39,935
Sweden	37,172	59,968
Switzerland	35,357	41,956
United Kingdom ...	209,361	164,607
Jugo-Slavia	2,384	15,834
Canada	310,928	314,597
British Honduras ...	12,498	13,477
Costa Rica	27,039	21,574
Guatemala	14,541	43,196
Honduras	44,266	66,277
Nicaragua	38,459	38,671

Destination	1935	1936
	$	$
Panama	266,818	312,838
El Salvador	46,315	46,559
Mexico	62,282	158,196
Miquelon and St. Pierre	556	480
Newfoundland & Labrador	37,130	43,379
Bermudas	25,041	35,794
Barbados	12,266	12,862
Jamaica	90,047	87,238
Trinidad and Tobago	36,689	40,480
Other Br. West Indies	32,566	33,467
Gold Coast	14,013	16,727
Nigeria	6,212	5,481
Other Br. West Africa	1,342	1,013
Egypt	46,247	62,596
Algeria and Tunisia ...	60	115
Madagascar	—	240
Canary Islands ...	30,928	22,822
Other Spanish Africa	1,074	666
Cuba	95,109	135,327
Dominican Republic	37,835	60,628
Netherlands W. Indies	80,786	86,952
French West Indies ...	526	910
Haiti, Republic of ...	29,838	37,555
Argentina	91,261	108,540
Brazil	71,421	91,385
Bolivia	9,353	21,547
Chile	5,983	16,295
Colombia	78,132	162,302
Ecuador	14,822	16,953
Falkland Islands ...	366	31
British Guiana ...	17,667	20,710
Surinam	8,332	8,151
French Guiana ...	246	30
Paraguay	5,002	10,221
Uruguay	16,040	31,433
Peru	85,436	104,306

Destination	1935	1936
	$	$
Venezuela	128,723	190,182
Aden	251	162
Arabia	1,347	413
India	754,251	807,772
British Malaya ...	154,438	153,146
Ceylon	85,442	49,824
China	151,597	199,098
Netherlands Indies ...	254,754	305,543
French Indo-China ...	1,495	1,323
Hong Kong	121,763	115,463
Iraq	21,144	28,272
Japan	61,892	94,757
Kwantung	10,897	15,114
Palestine	25,112	21,909
Iran	1,975	1,661
Philippine Islands ...	896,368	1,070,501
Siam	26,443	26,237
U.S.S.R. (Asia) ...	—	1,669
Syria	14,221	17,969
Turkey	5,993	6,751
Other Asia	6,725	6,326
Australia	151,341	146,266
British Oceania ...	2,060	4,183
French Oceania ...	2,190	3,907
New Zealand ...	50,118	79,667
Ethiopia	66	—
Belgian Congo ...	100	1,406
British East Africa ...	15,473	20,779
Union of South Africa	430,652	438,707
Other British S. Africa	8,226	9,350
Other French Africa	1,171	1,638
Italian Africa ...	23	374
Liberia	878	863
Morocco	4,979	1,623
Mozambique	9,568	6,023
Other Portuguese Afr.	348	989

Note.—These figures do not include laundry, flaked, or scouring soaps.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, June 9

THE markets have reopened after the holiday break on a quiet tone, with business moving on a modest scale in most products and the demand chiefly for spot supplies. Considering the quiet state of business, prices are keeping particularly steady. There is no change of importance to record in the PHARMACEUTICAL CHEMICALS markets.

Crude Drugs

A fair amount of routine spot business is being transacted and quotations for most of these commodities are keeping steady, the only weak features being the speculative markets. Steady spot demand for Curaçao ALOES ; no shipment offers of new crop, but there is inquiry on spot for quotations. Japanese CAMPHOR is quiet and unchanged. The shipment quotations for new crop CASCARA SAGRADA have now possibly touched bottom, but so far the leading buyers are doing nothing. Shipment offers of Portuguese/Spanish ERGOT are fully steady. Quite a nice business continues in the arrivals of new crop Jamaican HONEY. Japanese MENTHOL is dull on spot, but shippers' quotations are firm, with off-bids declined. RUBBER is steadier and level on the week. Shipment quotations for new crop SENEGA are sharply cheaper. SHELLAC shows a further small recovery, closing steady. Shipment quotations for new crop Madras TURMERIC are a little cheaper following the recent advances. BEES' WAXES remain dull and quotations are again easier.

Essential Oils

These markets are attracting a moderate volume of spot business, but the general tone is quiet, with the values of some products rather unsteady. ANISE (STAR) is now fully steady on spot ; no shipment offers for a week, and the bombing of the Canton district may interfere with future supplies. Ceylon CINNAMON LEAF is cheaper for shipment. Both the Java and Ceylon CITRONELLA oils are dull. Sicilian hand-pressed LEMON is quiet for the time of year, but conditions at the source are reported to be fully steady. LEMONGRASS is idle. French Guinea ORANGE is a keen spot market, with business quiet. Californian ORANGE is quoted 20 cents cheaper. PALMAROSA is steady on spot ; only one or two shipment offers at high figures. Japanese PEPPERMINT has been quiet on spot, with shippers' quotations well maintained at former figures.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	June 2	June 9
Amsterdam	Fls. to £	12·107	8·96¾	8·96
Berlin	Mks. to £	20·43	12·32½	12·32
Brussels	Belgas to £	nominal	29·25	29·26
Copenhagen ...	Kr. to £	18·159	22·40	22·40
Lisbon	Esc. to £	110	110⅛	110⅛
Madrid	Ptas. to £	25·24½	nominal	nominal
Milan	Lire to £	92·46	94	94
Montreal	Dols. to £	4·86¾	4·99¾	5·01½
New York	Dols. to £	nominal	4·94½	4·95
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	178⅛	178¼
Prague	Kr. to £	164·25	142¼	142½
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	26½	26¼
Zurich	Fr. to £	25·2115	21·71	21·73

Bank rate 2 per cent.

A drug auction will be held at the Commercial Sale Rooms, Mincing Lane, on Thursday, June 16.

Pharmaceutical Chemicals, etc.

BUSINESS continues generally quiet, with quoted values showing no change of importance this week.

ACETANILIDE.—Steady, market quiet: B.P. crystals and powder, 1s. 7d. to 1s. 10½d. per lb., as to quantity.

AMMONIUM ICHTHIOSULPHONATE.—One cwt., 1s. 6½d., in 14-lb. tins ; 1s. 8d. in 1-lb. tins ; 1s. 10d. in 8-oz. tins, and 2s. 1d. per lb. in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are steady: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2¾d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton ; over six months, less than one ton.

BORIC ACID (B.P.).—Makers' prices continue steady: granulated, £36 10s.; crystals, £37 10s.; powder, £38 10s.; extra fine powder, £40 10s. per ton, in 1-cwt. bags, carriage paid to buyers' works on 1-ton minimum. Commercial quality, £8 per ton cheaper for all descriptions.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Business remains quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0¼d.; 56 lb., 9s. 2¼d.; less than 56 lb., 9s. 4¼d. per lb. Citrate, two cwt., 5s. 11¾d.; one cwt., 6s. 0¾d.; 56 lb., 6s. 1¾d.; less than 56 lb., 6s. 2¾d. per lb. Soda sal., two cwt., 6s. 2¾d.; one cwt., 6s. 3d.; 56 lb., 6s. 4¾d.; less than 56 lb., 6s. 5¾d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CALCIUM LACTATE.—Moderate demand, quoted unchanged: one cwt., 1s. 0¾d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' scale of prices steady: duty paid crystals in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb., 28-lb. jars one penny per lb. extra.

CHLOROFORM.—Makers' prices steady: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums ½d. per lb. less. Small bottles extra, from 5d. per lb. for ¾-lb. bottles to 1d. per lb. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—Seasonal business is fair: British material quoted at 1s. 0¾d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Quoted unchanged: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

EPHEDRINE.—Business continues very quiet, with hydrochloride, B.P., quoted in the region of 7s. 6d. to 9s. per oz., as to quantity. Pure, alkaloid, 10s. 6d. to 12s. per oz.

GALLIC ACID.—Market is steady: one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

METHYL SALICYLATE.—Makers' quotations are unchanged: spot, ten cwt., 1s. 1¾d.; five cwt., 1s. 2d.; one cwt., 1s. 2¼d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Very little spot inquiry: two cwt., 19s. 3¾d.; one cwt., 19s. 9¼d.; 56 lb., 20s. 2¾d.; small parcels, up to 20s. 8d. per lb.

PHENACETIN.—Quoted steady, business of small account: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Dealers' spot prices are keen: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins ; under 7 lb., 12s. per lb., in free 1-lb. bottles. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free ; 3 lb., 12s., bottles free ; 1-lb. bottles, 12s. 6d. per lb., bottles free. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt.; 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENYL HYDROCHLOR.—8s. 6d. per lb., bottles free. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. SODIUM (CARBONATE RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—

5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHITE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

POTASSIUM PERMANGANATE (B.P.).—Dealers' prices are steady: bulk quantities, in drums, 8¾d. to 9d.; druggists' parcels, from 10d. to 1s. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Business negligible: spot, about 6s. 1½d. to 6s. 3d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9¾d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s. 8d.; hydrophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—The home maker's scale of prices is as follows: one cwt., 5s. 5d.; 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller quantities, up to 7s. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' prices are steady: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0¾d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Quotations very competitive, demand small: 2s. 3d. to 2s. 6d. per lb., as to quantity.

SANTONIN.—The quotation remains at £15 per kilo, nominal, with spot sellers from about £10 15s. for bulk quantities and up to £12 10s. for small parcels.

SULPHONAL.—Dull and irregular on quotation: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Fair business, market steady: British makers quote at 1s. 1¾d. per lb., less 5 per cent. discount; dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3¼d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5¼d.; smaller quantities, 6s. 6¼d. per lb., delivered, 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—The home trade prices are well maintained: ex clove oil or guaiacol, five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb.

Crude Drugs, etc.

AGAR.—Business moving quietly on spot at former prices: spot, Kobe, No. 1, 3s.; No. 2, 2s. 10½d. Yokohama, No. 1, 2s. 10½d. per lb.; shipment, Kobe, No. 1, June-July, 2s. 5½d.; July-August, 2s. 6d.; No. 2, June-July, 2s. 4d.; Yokohama, No. 1, 2s. 4d. per lb., c.i.f.

ALKANET ROOT.—Dealers are offering small spot parcels in the region of 45s. per cwt., ex store.

ALOES.—Curaçao continue in demand on spot; no shipment offers for new crop. Cape steady and unchanged: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, now quoted from 137s. to 150s. per cwt., as to quality.

ANNATTO SEED.—Shipment offers continue at 24s. per cwt., c.i.f.; spot seed is valued at about 3½d. per lb., ex store.

ANTIMONY.—Values are keeping steady: Chinese, crude, spot, £39; shipment, June-July, £32 10s., c.i.f. English regulus, £72 to £78 per ton, ex store.

ARECA NUTS.—Dealers are quoting some spot supplies at about 25s. per cwt., ex store.

ARNICA FLOWERS.—Spot quotations for small parcels of flowers are steady at 1s. 3d. per lb., ex store.

BALSAMS.—Shipment offers of new crop *Canada* are now at about 3s. 4½d. per lb., c.i.f., July-August shipment: spot, *Tolu*, 1s. 8d.; *Canada*, nominal; *Copaiba*, Para, 1s. 9d.; *Peru*, 4s. 6d. per lb., spot.

BELLADONNA.—Spot quotations are unchanged: leaves, 55s.; root, high testing, 60s. per cwt., spot.

BUCHU.—A few bales reported sold at former prices. New crop, fair to good green rounds, 1s. 8d. to 1s. 8½d., with some rather stalky at slightly less. A few bales of old leaves are available at 1s. 5d. to 1s. 6d., as to quality. Rounds, old crop, 1s. 5d. Shipment price is maintained at 1s. 5d., c.i.f., with no interest shown.

CAMPHOR.—Not much demand for Japanese; prices show no further change: Japanese monopoly BB brand £7 10s. per 100 lb.; this price now officially quoted: Japanese, natural, spot, tablets, 2s. 6½d.; powder, 2s. 3½d.; slabs, 2s. 3¼d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 2s.; slabs, 1s. 11½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 2d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Business of little importance: Chinese spot, 2s. to 2s. 1d. per lb., as to quantity; shipment, 1s. 7d. per lb., c.i.f. Russian, about 4s. 6d. per lb., spot.

CASCARA SAGRADA.—The shipment quotations for new crop are now in the region of 36s. 6d. per cwt., c.i.f., but the principal buyers are not operating. Spot values for old bark are steady at former figures.

CHAMOMILES.—Small business at former prices: last season's good white flowers at about 165s., with seconds at 135s. and old flowers from 95s. to 110s. per cwt., ex store.

CLOVES.—Market quiet, quoted values unchanged: Zanzibar, spot, 8¼d.; shipment, June-July, 8d. per lb., c.i.f. Madagascar, in bond, 7d.; shipment, June-July, 6 3/16d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended June 4 were *nil*, and the deliveries 13, leaving a stock of 1,148. From January 1 to date the landings of Zanzibar have been 1,389 and the deliveries 1,310. Landings of Madagascar for the week ended June 4 were *nil*, and the deliveries 16, leaving a stock of 1,268. From January 1 to date the landings of Madagascar have been 739 and the deliveries 1,547 packages.

COCOA BUTTER.—Market is quoted rather easier: prime English, 8½d. to 9¾d. per lb.; foreign, 7¼d. to 8½d. per lb., as to quantity and quality.

COCONUT (DESICCATED).—Market is steadier: spot, fine, 16s. 9d.; medium, 16s. 3d. per cwt.; shipment, halves, June, July and August, 16s. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports the shipment market steady but quiet: finest Lofoten steam-refined non-freezing medicinal oil, 90s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

ERGOT.—Portuguese shippers are keeping their offers, which are few, well up close to 3s. 9d., c.i.f. for bulk quantities. Polish is too dear at 4s. 1d., c.i.f. No Russian available. Spot, Portuguese, 4s. to 4s. 3d. per lb., as to quantity.

GINGER.—Values are maintained, market quiet: West African, spot, 27s.; for shipment, 22s. per cwt., c.i.f. Jamaican, spot, bold, in parcels, 72s. 6d. to 85s.; small grinding, in bags, 55s. to 60s. per cwt., c.i.f. Cochin, new crop, fair washed, unbleached, 43s. 6d. per cwt., spot.

GUM ACACIA.—Values unchanged on quotation, market dull: Kordofan, cleaned sorts, spot, 37s. 6d.; shipment, 35s. 6d. per cwt., c.i.f.

HENBANE.—Market remains dull: about 70s. per cwt., ex store, for small spot parcels.

HENNA.—Spot quotations are well maintained; supplies short: Egyptian brown leaves, 30s.; one parcel of green leaves with the prices about 40s. per cwt.

HONEY.—The demand for arrivals of new crop Jamaican continues with values steady: Jamaican, dark manufacturing, 30s. to 45s. per pale set. Old crop at slightly cheaper prices. Californian, firm on limited supply at 52s. 6d., duty paid. Canadian, 52s. 6d. per cwt., ex store.

HYDRASTIS.—Market remains dull: spot, root of 2.3 hydrastin, 15s.; U.S.P., 14s. 6d.; untested root, 14s. 3d. per lb., ex store. Shipment quotations range from 14s. 3d. for untested root up to 14s. 6d. per lb., c.i.f.

MENTHOL.—Market in the Japanese product has been slow; shipment fully steady. K/S brands, 12s. 3d. to 12s. 4½d.; in bond, 10s. 10½d. to 11s. Cables sent out bidding 10s. 3d., c.i.f., countered with offers ranging from 10s. 6d. to 10s. 9d. per lb., c.i.f., as to shipper. Chinese, spot, 12s.; shipment, 10s. 6d. per lb., c.i.f.

MERCURY.—First-hand quotations for Spanish-Italian metal are unchanged: f.o.b. Continent, 69 dollars per bottle; ex warehouse, London, £13 18s. to £13 18s. 6d. per bottle.

OPIUM.—Business has been quiet this week: Turkish, original cases of 170 lb., 13 per cent., 1s. 1d. Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—Dealers' prices for spot parcels are quoted steady: bitter quarters, 9d.; bitter ribbons, 9d.; thin cut, 11d. to 1s. 1d. per lb., as to quality, ex store.

ORRIS ROOT.—Spot supplies of Florentine root are available at about 35s. per cwt., ex store.

PEPPER.—Market remains dull: Lampong, in bond, 2 9/16d.; shipment, August-October, 2⅜d., c.i.f. Tellicherry, spot, 4d.; shipment, June-July, 33s., c.i.f. Aleppy, spot, 3¾d.; shipment, June-July, 34s., c.i.f. White Muntok, in bond, 3¾d.; shipment, August-October, 3 11/16d., c.i.f. London Terminal Market, Black, June, 2 9/16d.; July, 2 9/16d.; October, 2⅝d. White, May, 3¾d.; July, 3¾d.; October, 3 11/16d. per lb.

PIMENTO.—Values steady, market quiet: spot, 7d. per lb.; shipment, June-July, 56s.; August-October, 51s. per cwt., c.i.f.

RHUBARB.—Business quiet; all descriptions quoted unchanged: spot, Shensi, best quality, 4s. 9d. to 5s. 3d.; old, very slightly wormy, 3s. 9d. to 4s. 3d.; pickings, about 3s. 9d. per lb.; rough round, 2s. 4d. to 2s. 5d. per lb., as to quality; shipment, ordinary quality, 1s. 8d. per lb., c.i.f.

RUBBER.—Opened quiet, market steady: standard ribbed smoked sheet, spot, 5 11/16d.; June, 5 11/16d.; July, 5 11/16d.; August, 5¾d.; September, 5¾d.; October-December, 5 13/16d. per lb.

SAFFRON.—Genuine Valencia on spot is firmly held from 88s. to 90s. per lb., with one or two small lots offered for shipment at about 90s. per lb., c.i.f.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 65s.; Bulgarian, 42s.; Syrian, 41s. CANARY.—All prices quoted are spot, duty paid. Mazagan, 17s. 6d.; Turkish, 16s. 6d.; Plate, 16s.; Spanish, 25s. to 37s. 6d. CARAWAY.—Dutch on spot is 32s. 6d., duty paid, and 27s. 6d. f.o.b. Holland. CORIANDER.—Spot, Morocco on spot is offered at 18s., duty paid. New crop for July shipment quoted at 12s., c.i.f. CUMIN.—Malta, 40s., duty free; Morocco, 38s., duty paid, and 34s., in bond. FENNEL.—Indian, recleaned, 25s., spot. FENUGREEK.—Morocco, spot, 12s. 9d., duty paid. MUSTARD.—English, 20s. to 29s., according to quality.

SENEGA.—Shipment quotations are easier: spot, 2s. 4d.; shipment, 2s. 1½d. per lb., c.i.f.

SENNA.—Export inquiry has been a little better, but business on the home market still remains quiet. Tinnevelly leaves, fair green quality on spot offer as follows: No. 1 at 5¼d.; No. 2 at 3½d.; No. 3 at 2½d.; No. 4 at 2¼d. per lb. Tinnevelly hand-picked pods, best pale quality offers at 6d., with darker grades offering at 3½d. to 4d. per lb. Alexandrian hand-picked pods, arrivals of best-quality new crop still continue small; spot quotations are as follows: good bold selected at 5s.; No. 1 at 4s.; No. 2 at 3s.; No 3 at 2s. 3d. per lb. Old crop pods are available from 1s. to 2s. 3d. per lb., according to quality.

SHELLAC.—At the slightly better values the market is steady: spot, standard TN orange, 36s. to 39s.; fine orange, 57s. 6d. to 100s.; pure button, 55s. to 60s. per cwt. For delivery, TN, August, 36s. 6d.; October, 37s. 6d.; for arrival, TN, July-August, 32s. 6d. per cwt., c.i.f.

SLIPPERY ELM BARK.—Market is steady, business moderate: grinding quality, 6¾d.; clippings, 8½d.; selected loose slabs, 1s. 2d.; 5-lb. wired bundles of selected quality are firm at 2s. 3d. per lb., ex store.

SQUILL.—Dealers quoting fair white about 27s. 6d. per cwt. for small parcels. New crop, June-July, shipment, 24s. per cwt., c.i.f., indicated for No. 1 white.

STRAMONIUM.—Spot supplies are quoted from 35s. to 40s. per cwt., according to the quality of the leaves.

TONKA BEANS.—Values maintained, demand quiet: fair frosted Para beans, 3s. 4d. to 3s. 5d. per lb., ex store.

TRAGACANTH.—Small inquiry with all grades of gum quoted unchanged: finest selected white ribbon, £65; No. 1 white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £42 10s.; amber leaf, £22; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—Shipment prices are not quite so dear this week, with Madras finger about 25s. per cwt., c.i.f., and Rajapore at 26s., c.i.f. Madras finger, spot, 29s. per cwt., ex store.

WAXES.—BEES'.—Market is quiet and values are again easier: Calcutta, bleached, spot, 130s.; shipment, June-July, 120s., c.i.f.; ordinary quality, spot, 95s.; shipment, June-July, 90s. per cwt., c.i.f. Benguella, in bond, 90s.; shipment, June-July, 82s. 6d., c.i.f. Conakry, spot, 95s.; shipment, July, 82s., c.i.f. Dar-es-Salaam, spot, 100s.; shipment, June-July, 88s., c.i.f. CARNAUBA.—Little inquiry with all descriptions quoted unchanged: fatty, grey, spot, 150s.; afloat, 145s.; shipment, June-July, 143s., c.i.f. Chalky, grey, spot, 150s.; afloat, 145s.; shipment, June-July, 142s., c.i.f. Primeira, spot, good quality, 190s.; afloat, 175s.; shipment, June-July, 172s. 6d., c.i.f. Mediana, spot, 180s.; shipment, 170s. per cwt., c.i.f.

Essential and Expressed Oils, etc.

BUSINESS continues on a modest scale and is mostly for spot goods. Japanese peppermint is quiet on spot, but fully steady for shipment.

ALMOND.—Some small spot business: bulk quantities at keen figures: English made, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 8d.; smaller parcels, up to 3s. per lb.; French bitter, 6s. to 6s. 1½d. per lb.

ANISE (STAR).—Spot values are fully steady, with a better demand reported. Shipment quotations are cheap but nominal. The bombing in the Canton area is already affecting the position and at the moment there are no definite offers: spot, leads, if available, 4s.; tins, 3s. 7d.; drums, 3s. 6d. per lb., ex store; shipment, tins, 2s. 10½d.; drums, 2s. 9d. per lb., c.i.f., nominal.

AVOCADO PEAR.—Occasional inquiry on spot, with Californian oil quoted from 47s. to 54s. per gallon, as to quantity, ex store.

BERGAMOT.—The Consortium shipment quotation continues at about 14s. 9d. per lb., c.i.f. Genuine oil, on spot, 15s. to 15s. 4½d. per lb.

CAMPHOR.—Supplies of genuine oils are short on spot and are firm as quoted at 105s. to 107s. 6d. per cwt. in drums. No shipment offers of Chinese at the moment. Japanese, 89s. 6d. per cwt., c.i.f.

CASSIA.—Market remains dull: spot, good quality oil, 3s. 3d.; in leads; off-quality, 2s. 10½d. to 3s. per lb. Shipment market is lifeless; leads, 2s. 10½d.; drums, about 2s. 9d. per lb., c.i.f.

CEDARWOOD.—Rather quiet, but values are steadier: African, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb. American, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb.

CINNAMON LEAF.—Shipment offers of Ceylon oil are easier at about 2s. 2d. per lb., c.i.f., in drums.

CITRONELLA.—Business dull, shipment markets easy: Ceylon, spot, drums, 1s. 5½d. to 1s. 6d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 2¼d. per lb., c.i.f. Java, spot, drums, 1s. 10d. to 1s. 11d.; smaller parcels, up to 2s. 3d.; shipment, drums, about 1s. 4d. per lb., c.i.f.

CLOVE.—Madagascar oil shows no further quotation; business modest: Madagascar, spot, drums, 3s. to 3s. 1½d.; small parcels up to 3s. 6d. per lb.; shipment, about 2s. 3½d., c.i.f. English, distilled, 4s. 7½d. to 4s. 10½d. per lb., as to quantity.

Exports during the period January–March, 1938, of stem oil from Zanzibar, totalled 39,626 lb., an increase of about 30 per cent. over the previous three months.

EUCALYPTUS.—Spot and forward quotations for good quality oil are about steady; a little more inquiry reported: Australian, 70 to 75 per cent., tins, 1s. 5½d. to 1s. 6d.; drums, 1s. 5d.; 80 to 85 per cent., drums, 1s. 9d. per lb., landed; higher prices for small lots on spot. Shipment, 70 to 75 per cent., tins, 1s. 3¼d.; drums, 1s. 2¾d.; 80 to 85 per cent., 1s. 6¼d. per lb., c.i.f.

GRAPE-FRUIT.—Limited spot demand in small parcels: Californian, 10s. 6d. to 12s. Florida, 10s. 6d. to 11s. 3d. per lb., as to quantity.

JUNIPER BERRY.—Average spot business moving: quoted according to quality and quantity from 3s. 3d. to 4s. per lb.

LEMON.—Business in the shipment market for new crop Sicilian hand-pressed oil has been negligible, but the source reports quotations are steady at 11s. to 11s. 7½d., c.i.f. On spot, quotations for genuine new crop oil range from 11s. to 11s. 6d. per lb., ex store, with blended oils at cheaper prices. Californian distilled, regular quality, 6s. 4d. per lb., landed in small drums.

LIME.—Spot West Indian distilled meets with a steady spot business: quoted at 24s. to 25s. per lb., ex store, with a moderate demand reported.

MANDARIN.—Market remains quiet: finest quality oil at about 19s. to 20s., c.i.f., with other qualities from 17s. 6d. per lb., c.i.f.

NUTMEG.—Moderate spot demand at steady prices: Dutch and American oils offering from 5s. 6d. to 5s. 9d. per lb., as to quantity, ex store.

OLIVE.—Business on the quiet side and the market is none too steady: 1 per cent., 5s. 6d.; 2 per cent., 5s. 4½d. per gallon in 45/50-gallon drums. French, edible quality, 72s. 6d., for cases of 10 one-gallon tins and 76s. for 20 half-gallon tins; 5s. 10½d. per gallon in 50-gallon drums.

ORANGE.—Practically nothing doing on spot in French Guinea oil, with values barely maintained: drums, about 3s. 3d.; tins, in cases, 3s. 6d.; in bond, 2s. 10¼d. Shipment offers from the source continue at about 2s. 7½d. per lb., c.i.f. Californian is quoted 20 cents cheaper: spot, one case, 3s. 7½d.; two or more cases, 3s. 5d.; large drums, not quoted; small drums, 3s. 4d. per lb., landed; cold-pressed, 5s. 3d., c.i.f., in cases.

PALMAROSA.—Spot firm for good oil at 8s. 4½d. to 8s. 6d.; one or two shipment offers at about 8s. per lb., c.i.f.

PATCHOULI.—These oils meet with a small demand with quotations keen. Singapore, about 14s.; shipment, 13s. per lb., c.i.f. Seychelles, 11s. 3d.; shipment, about 10s. 4½d. per lb., c.i.f.

PEPPERMINT.—Market has been slow since the holiday break, but values are steady on spot and shipment quotations are fully maintained: spot, 4s. 3d. to 4s. 4d. Japanese shippers are quoting up to August at 4s. 1½d. per lb., c.i.f., and rejecting bids. American natural oil, in drums, continues firm for shipment at fully 2 dollars to 2 dollars 10 cents per lb., c.i.f.

PETITGRAIN.—Quiet spot demand; shipment quotations are steady: spot, cases, 4s.; shipment, 3s. 4½d. per lb., c.i.f.

RAISIN SEED.—Spot supplies of Californian are available from 2s. 4d. to 2s. 6d. per lb., ex store, according to quality.

ROSEMARY.—A moderate business reported, with values about steady: Spanish oil about 3s. up to 3s. 7½d. per lb., as to quality and quantity. No definite shipment offers from the source. New crop oil, produced in Morocco, quoted at about 3s. 2d. per lb., c.i.f. New crop Tunis oil, to come forward, 2s. 9d. to 3s. per lb., landed, as to quantity.

SAGE.—Spot supplies of good quality Spanish oil are quoted at about 3s. 8d. per lb., ex store.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. Genuine East Indian, produced outside the province of Mysore, 18s. 3d. to 18s. 6d. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—Spot quotations continue to vary as to quality of the oil: quoted at 3s. 6d. up to 4s. 3d. per lb. Other oils at cheaper prices.

SPEARMINT.—Market continues rather quiet: U.S.P. oil, spot, 8s. 3d.; shipment, 7s. 6d. per lb., c.i.f. Other quality oils at cheaper prices.

WORMSEED.—Values are fully steady: U.S.P. oil, spot, 11s. 6d.; B.P., 12s. 3d.; shipment, U.S.P., 11s. per lb., c.i.f.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Finances of an Employees' Organisation

SIR,—In my previous letter regarding the prospects of organisation for pharmaceutical employees (*C. & D.*, June 4, p. 659), one of the points I raised was the amount of the subscription which would be required from the members. "Honorary Treasurer," in his letter in the same issue, also discusses this matter, and says we are all tempted to take roseate views of what can be done with a shilling subscription. But in the report of the meeting held at Bloomsbury Square (*C. & D.*, June 4, p. 640) the principal speaker stated that the subscription would be 6d. a week, and named the benefits which would be available for this amount. Sixpence a week is 26s. a year, or 5s. 6d. less than the annual fee payable by members of the Pharmaceutical Society, with nearly 23,000 members, and about half of the amount paid by members of the National Pharmaceutical Union. The objects of an association of employees could be compared to a certain extent with those of the N.P.U., but one can imagine that payment of full salaries to members who might be unemployed owing to a dispute would entail a reserve of larger funds than a sixpenny subscription would provide. It was also stated that membership of the proposed association would be open to all registered employee pharmacists, to those who had served a regular apprenticeship, and to all others who had been employed in pharmacy since June 1, 1930. Why this time, and is the membership then closed to all unqualified and unapprenticed assistants who might have entered pharmacy after that date? Are there any figures available to show how many employees there are in pharmacy who would be eligible under these conditions?—Yours faithfully,

INTERESTED (4/6).

Security of Tenure

SIR,—Speaking at the meeting of pharmaceutical employees (*C. & D.*, June 4, p. 640), Mr. W. Atkinson said that as employees in pharmacy, they did not know a month from today what they were going to do. Lack of security is the principal difficulty with which the wage earner is always faced, either through the whim of his employer or from circumstances over which the employer himself may have little control. But I should say that the probability of unexpected dismissal is less frequent in pharmacy than it is in many other kinds of employment, such as factories and large combines with amalgamations and reductions or changes of staff. The small private employer does not as a rule like to change the members of his staff when they are satisfactory, and in pharmacy, of all businesses, customers prefer to be served by assistants who know them and their requirements. So far as increases in wages are concerned, unfortunately ours is a comparatively small business, the returns are small, and do not allow what should be considered adequate remuneration to either employer or employee. All pharmacist proprietors are not greedy, grasping men; many of them would be willing to pay more if the takings warranted it, but there is a limit beyond which a further increase becomes impossible.—Yours faithfully.

OLD-TIMER (4/6).

Third Party Claims

SIR,—The question of the liability of a chemist to some third person who has taken a medicine recommended to him by somebody else and dispensed by the chemist (*C. & D.*, May 21, p. 580), would seem to involve some nice legal arguments. Most of us have come across the case of the borrowed prescription; somebody consults a specialist and receives a prescription. Later he lends it to a friend who thinks his symptoms correspond. Often this third party confides in the chemist and asks for his advice about it, when there is no trouble in explaining why he should not take it without proper advice, or he may get it dispensed without comment. In either case the chemist is quite innocent of the circumstances, but he would run the risk just the same. Fortunately the majority of these prescriptions are quite innocuous, and prescriptions for dangerous drugs have to be retained, but it is possible to imagine some conditions where a simple mixture, harmless in itself, would be contra-indicated.—Yours truly,

A. J. C. (28/5).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

C. H. P. (2/5).—With regard to the interaction in your iodine mixture:—

Sod. salicyl.	gr. xx.
Lugol's solution	♏ v.
Sod. bicarb.	gr. xv.
Inf. aurant. conc.	♏ x.
Aq. ad.	℥ss.

in all probability the decolorisation of the iodine is due to the formation of an iodosalicylate, a compound of faint purple colour and which is less soluble in water than the salicylate. As a result, the therapeutic action of the iodine is very considerably modified. The position is not completely analogous with the action of iodine on milk. The addition of liq. iodi. simp. to milk forms a colloidal suspension of iodine, in which form it is readily absorbed, slowly combining with the fats in the milk, giving after about twelve hours a white mixture.

L. K. (24/51).—COMPRESSION OF TABLETS.—With starch in the formula it is not possible for the tablets to disintegrate into a clear solution within sixty seconds. We suggest, therefore, that starch be omitted, and approximately 1 per cent. boric acid might be used as a lubricant. Additional sodium bicarbonate must be included in the formula to allow for the amount which will be neutralised by the boric acid when solution takes place. It may be possible to granulate the mixture with water only, but if difficulty is experienced a little weak solution of gum acacia might be used. As you probably know, there are certain types of machines which have punches and dies requiring no lubricant for the granules, and if you wish to make the tablets without a lubricant, we suggest you get into touch with the makers of tablet machinery.

T. H. W. (27/53).—LEAD ACETATE AS A POISON.—The exemption for lead acetate is contained in the Third Schedule of the Poisons Rules:—"Substances containing less than four per cent. of lead acetate."

S. W. D. (29/44).—CHENOPODIUM OIL FOR HORSES.—Hitherto linseed oil has been used for administering chenopodium oil to horses in cases of strongylosis, after a fast of thirty-six hours, but this is now considered undesirable—a twelve-hour fast being thought to be sufficient. The following disadvantages of linseed have been put forward. Severe purgation may follow its use even in moderate doses, the patient often having to be taken off duty for lengthy periods to recover; the purgative action is believed to be due to an acute attack of indigestion produced. The new vehicle suggested is liquid paraffin, which does not purge—doses of one pint per 800 lb. body-weight merely acting as a mild laxative. In a group of fifty ponies which were dosed with 12 c.c. of chenopodium oil per 800 lb. body-weight no poisoning from toxic absorption was observed.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," June 9, 1888

Presidency of the Pharmaceutical Society

Three years ago, when Mr. Carteighe had occupied the presidential chair for a period which was becoming the recognised duration of the presidency, we had occasion to remark that "we should regard it as very unfortunate to 'swop' presidents just at this time, with Government legislation hanging over us, and with several schemes, which Mr. Carteighe has been influential in promoting, still imperfectly developed." Sir Dyce Duckworth resurrected this opinion at the dinner last month, thus exactly hitting the current view. There are things which Mr. Carteighe has to finish, and his fellow-councillors on Wednesday gave him the opportunity by electing him by a larger majority than last year. He has thus been chosen for the seventh time in succession, beating the record of his preceptor, Mr. G. W. Sandford, who held office for six successive years (1863-69), and again for two terms of one year each at the beginning and end of the seventies.

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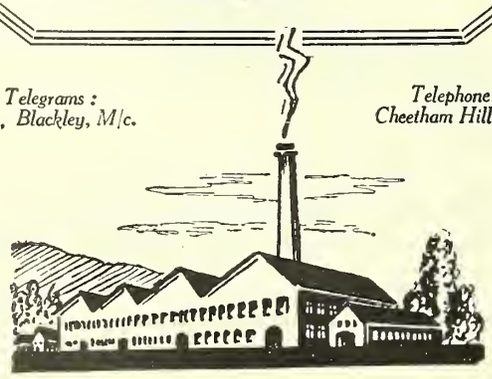

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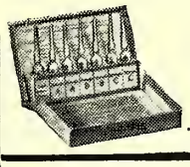

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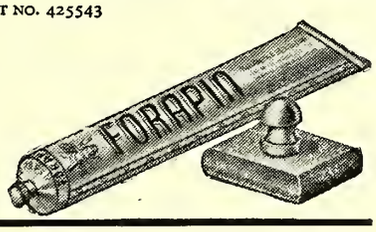

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TELEGRAMS: BATAPO, PHONE, LONDON
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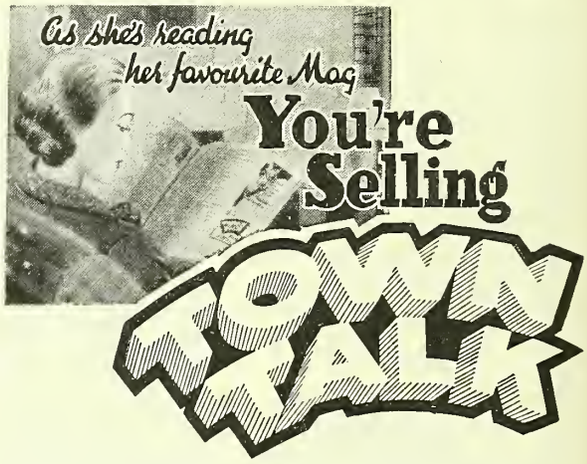

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Display these repeat order profit-bearing lines, and get your share of this increasing business.

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THE TOWN TALK POLISH CO., MANCHESTER, 10

HOUR BY HOUR MORE PEOPLE ARE ASKING FOR—

THE STRENGTH OF SAMSON

Samona

MAKES LIFE ANEW

REG.

The new medical product for Neurasthenia, Nerve Strain, Impaired Vitality, Depression, Inability to Concentrate, General Weakness, Change of Tissues, Hardening of the Arteries, Tired and Listless Appearance, Insomnia, Mental and Physical Exhaustion.

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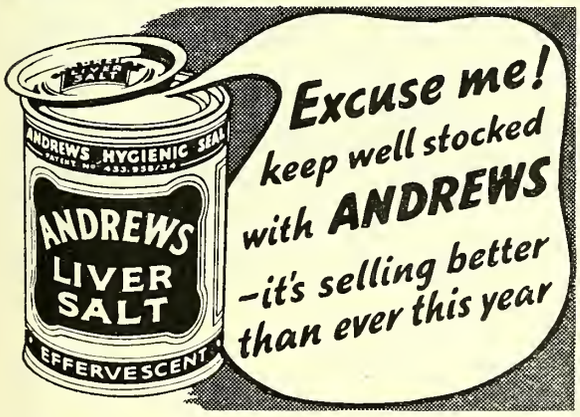
From all Wholesale Houses

BE READY TO MEET THIS DEMAND

For Showcards, &c., apply to :

SAMONA LTD., 16-18 Charterhouse Street, London, E.C.1



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4-5 lb. Parcels and ½ cwt. Cases

New Pack ½ lb. Nett weight Packets

½ cwt. Cases

PURE POWDERED RICE STARCH

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TO PREVENT HEADACHE

TAKE TWO BEFORE THE—

CINEMA
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WHIST DRIVE
JOURNEY
SHOPPING
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IN BRIGHT SUNLIGHT
ETC. ETC.

To Prevent Headache, Sick-Headache, Tiredness, Lassitude, Eye-strain, etc.

TUBE (14 ET-O-BAX) 1/3 (Retail)

The ET-O-BAX CO.,

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BY APPOINTMENT

Schweppes

SUGAR-FREE GINGER ALE . . . .
SUGAR-FREE TONIC WATER. . .
SUGAR-FREE SPARKLING LIME

Approved by the Institute of Hygiene and the Diabetic Association.

These beverages have been analysed by the Institute of Hygiene and found "free from sugar and metallic contaminants." The analyses shown have been accepted by the Medical Advisory Council of The Diabetic Association and recommended for diabetic and obese subjects.

ANALYSIS SHOWED THE FOLLOWING RESULTS :

	Schweppes Sugar-Free Dry Ginger Ale	*Ordinary Dry Ginger Ale*		*Schweppes Sugar-Free Tonic Water*	*Ordinary Tonic Water*		*Schweppes Sugar-Free Sparkling Lime*	*Ordinary Sparkling Lime*
Carbohydrates	absent	6.2%	Carbohydrates	absent	9.1%	Carbohydrates	absent	11.8%
Protein	absent	absent	Protein	absent	absent	Protein	absent	absent
Fat	absent	absent	Fat	absent	absent	Fat	absent	absent

FOR FREE SAMPLES WRITE TO : MESSRS. SCHWEPPES LTD, 1 CONNAUGHT PLACE, LONDON, W.2

In the Winter months constant exposure to cold and damp air puts our health to a severe test.

Recommend your customers to take Norwegian Medicinal Cod Liver Oil daily, so that they may increase their power of resistance.

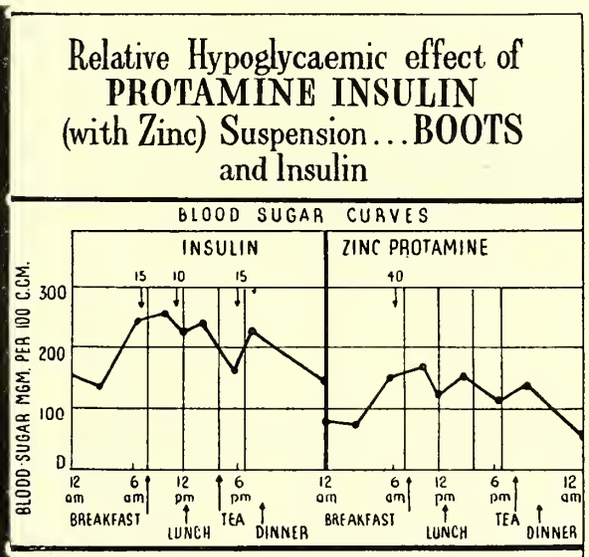
Norwegian Medicinal Cod Liver Oil is Nature's own cure, and contains the important vitamins A and D in the right ratio. It is the strongest bulwark against infections

NORWEGIAN
COD LIVER OIL
World-renowned for Quality

PROTAMINE INSULIN

(with Zinc) SUSPENSION . . . BOOTS

The fall in blood sugar after injection of Protamine Insulin (with Zinc) Suspension is gradual, and the Insulin carbohydrate metabolism reproduces closely the continuous secretion of Insulin which takes place in the normal person.



Blood-sugar curves from a man aged 65 years; the first while taking Insulin, the second while taking Protamine Insulin (with Zinc) Suspension—Boots. The diet was the same on both occasions. (See Brit. Med. J., 1937, i.514)

With small doses (under 30 units) the risk of hypoglycæmia is less than with Insulin, and Protamine Insulin (with Zinc) Suspension is particularly valuable for use in general practice.

Supplied in rubber-capped vials in the following strengths :—

40 units per c.c.
5 c.c. vial (200 units)
10 c.c. vial (400 units)
80 units per c.c.
5 c.c. vial (400 units)

PROTAMINE INSULIN (with Zinc) SUSPENSION—BOOTS is available on trade terms through your usual wholesaler or direct from:

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NOTTINGHAM . . . . ENGLAND

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TOILET
SPONGE BAGS
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Manufactured under licence exclusively by:

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"MATER"
CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 99.4

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CLINICAL
AND OTHER
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PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)
Price List on Application:
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Telephone: 0724 Holborn
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'PROPHICS'

A latex contraceptive of exceptional quality that you can handle, sell and recommend with confidence.

Beautifully packed in attractive gold boxes of three, and in one gross outers suitable for display purposes.

Retail Price: 2/6 PER BOX OF 3

Costs: 2/6 Per doz. (4 Boxes of 3)
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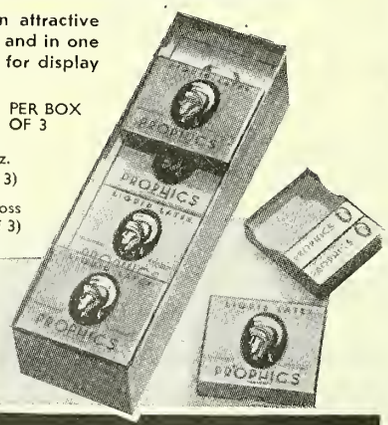

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PARTICULAR PEOPLE

For use with Sanitary Towels as a DEODORANT and to prevent chafing. It neutralises body odours at once.

ORDER FROM YOUR WHOLESALE HOUSE

New Display & Special Bonus

HALMAGON, the medicine praised by over 1,200 doctors for Neurasthenia, Migraine, Liver and Digestive Troubles, Rheumatism and Bladder Troubles, is bringing RESULTS—and REPEATS! And not only is HALMAGON triumphing over illness, it is proving invaluable as an all-the-year-round

TONIC FOR YOUNG AND OLD

HALMAGON means business! To help you to secure your full share of HALMAGON'S growing sales we offer you a striking

NEW ADVERTISING DISPLAY (as illustrated)

This cut-out showcard is printed in 8 colours, the hand being slotted to hold a dummy of the popular 3/6d. pack. *Send for it now.*

PLEASE STATE SIZE OF SHOWCARD DESIRED

23″ high by 14″ wide or 31″ high by 20″ wide.

HALMAGON BRAND TABLETS

TRADE TERMS

Popular Pack ... ... **3/6d.** box (4 tubes) **31/6d.** doz.
Family Economy Pack ... ... **10/6d.** box (15 tubes) **7/11d.** each.
Single Tube in Carton ... ... **1/-** Outer of 12 cartons **9/-.**

SPECIAL DISPLAY BONUS 14 TO THE DOZEN ON STRAIGHT OR MIXED PARCELS

TONICITY LABORATORIES LTD.
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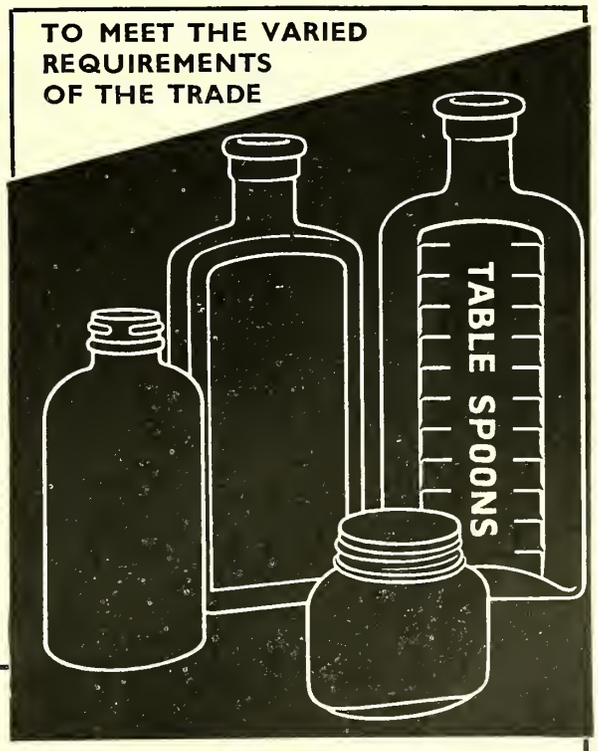
TO MEET THE VARIED REQUIREMENTS OF THE TRADE



We can offer quotations for . . .

MEDICALS • PANELS • VIALS
POISONS • CHELTENHAMS
TABLETS • JARS
(Screw Cap or other closures)

✱ SPECIAL DESIGNS PREPARED FOR PROPRIETARY PACKS

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FOR OVER 80 YEARS WE HAVE BEEN MAKING BOTTLES OF EVERY DESCRIPTION. WE CAN PRODUCE ALL TYPES OF MACHINE MADE BOTTLES

FREDERICK HAMPSON LTD
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Qualities for all purposes. Coloured for Bacteriological work. Non-Absorbent. Medicated, etc.

ABSORBENT LINT. Plain and Boric Lint, Medicated Lint, etc.

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ABSORBENT GAUZE. Of all qualities, Plain and Medicated,

FIRST AID. First Aid Dressings, First Aid Cabinets, Sundries, Standard Dressings, etc.

• *Samples and Prices of any of our manufactures will be gladly supplied on request.*

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SURGICAL DRESSING MANUFACTURERS

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MENE

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FOR BRISK BUSINESS

Obtainable from your usual wholesaler.

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"HERNICURA" TRUSSES

(REGISTERED No. 254807)

AND SURGICAL APPLIANCES WILL BUILD UP YOUR TRUSS TRADE

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Rivista Italiana delle Essenze, dei Profumi e delle Piante officinali

NINETEENTH YEAR OF PUBLICATION

OFFICIAL ORGAN OF THE FENACHIMICI

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Editorial Offices: - VIA S. VINCENZO N.38 MILAN

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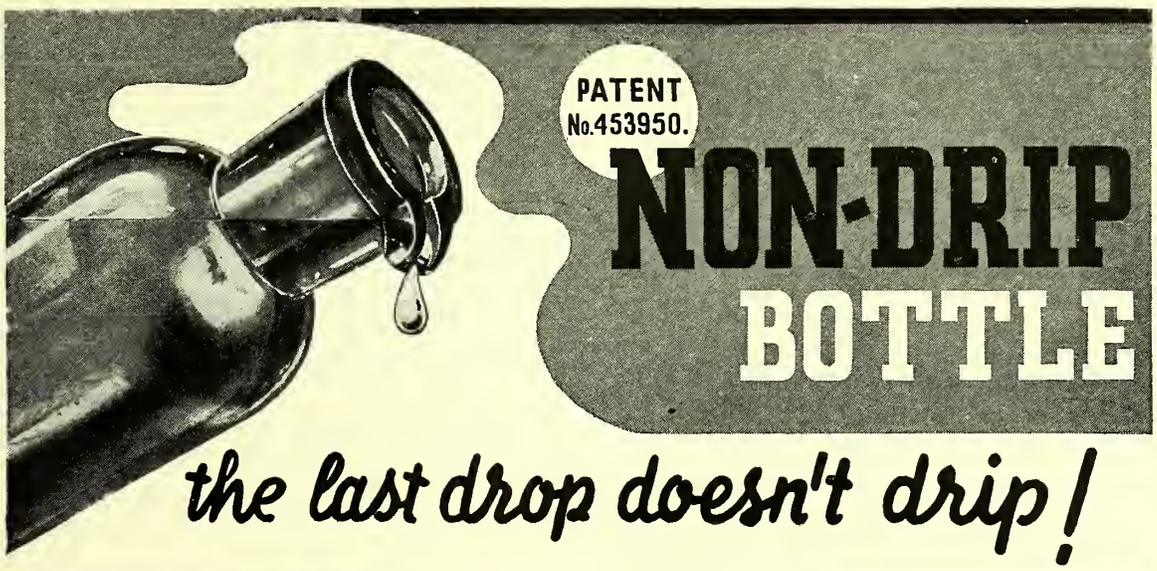
Producers of Aromatic Substances for Perfumery—Manufacturers of Articles used in the Perfumery Trade—This is the Periodical in which to Advertise effectively in Italy.

MAKE USE OF ITS ADVANTAGES

SAMPLE COPY AND TARIFF ON REQUEST



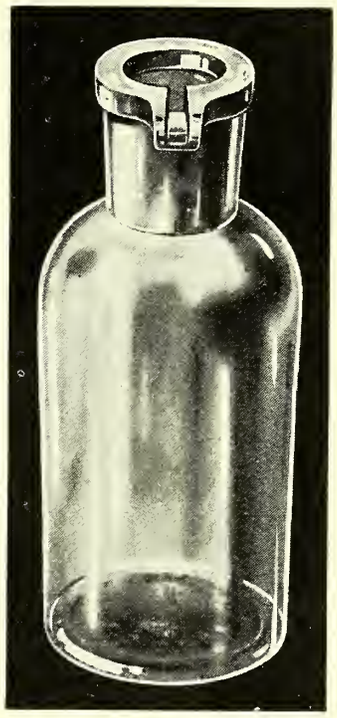
Every drop is dispensed with great exactness and falls clear of the bottle.

When pouring is finished, the last drop does not drip down the bottle, but recedes through the patent channel into the bottle.

By reason of the scientific design of the patent pouring channel and lip of this new drop bottle, every drop falls clear of the bottle. When pouring ceases, the last drop on the lip runs back into the bottle — it *cannot* run down the bottle neck to cause dirtiness and soil the label.

A few trials will convince you of the utility of this extraordinarily simple invention for dispensing many preparations such as Cod Liver Oil, and Halibut Liver Oil.

Send for a sample bottle.



Note the patented design of channel and lip of the pourer.

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ROTHERHAM GLASS WORKS
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DB2

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"UCLAF'S" BACTERIOLOGICAL PEPTONE
Finest Quality
OLD STRAND CHEMICAL AND DRUG CO. LTD.
PHONE: HOL 6093 AUDREY HOUSE : ELY PLACE : LONDON : E.C.1

URICURE TABLETS REG'D
The Greatest of all Rheumatic remedies
A LINE THAT ONLY CHEMISTS CAN SELL
1/3 size, 7/-; 3/- size, 17/6; 5/- size, 25/- per doz.
The Acton Pill & Tablet Co. Ltd., Ash Vale, Surrey

BLYTON, ASTLEY & CO. LTD.
Eagle Laboratories, Lr. Broughton, Manchester,
FOR
LOZENGES, PASTILLES, "MENTHELLS," and Quick-Selling SPECIALITIES.

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We are manufacturers for the Wholesale Trade.
If you buy large or regular quantities, please write for quotations.
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Viosulfal Ltd., announce the first
ASSIMILABLE SULPHUR TREATMENT for
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ORIGINAL RECORD SYRINGES
HYPODERMIC & SERUM & INSULIN UNIT
BEST
ALL METAL AND ALL GLASS HYPODERMIC, EAR, URETHRAL AND GLYCERINE SYRINGES
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FOR THE
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Particulars :—
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Pill and Tablet Machines; Compact Powder Presses (hand); Suppository and Lipstick Moulds of all kinds; Sifters and Mixers; Tincture Presses, Percolators, End Runner Mills, Ball Mills, Emulsifiers, etc.
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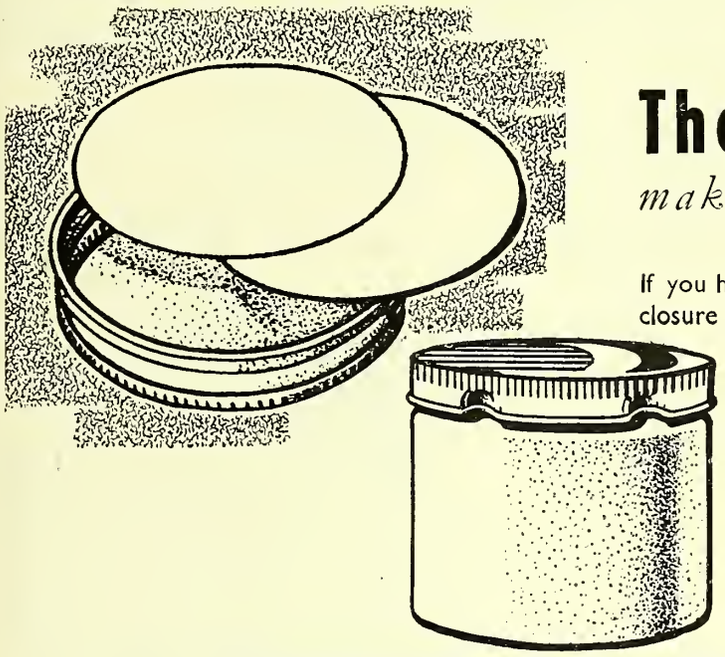

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BATTLE'S VERMIN KILLER

Of all Patent Medicine Houses at 3/-, 5/- and 9/- per dozen.

In packets at 5d., 9d., 1/3, 2/6 and 5/- each.

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The *sure* destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice.

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Nicotine 95-98%; Nicotine Sulphate 40%.
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Specialist Printers for Chemists

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[34/26]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JUNE 11, 1938

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—**6/-** for **50** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

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Telephone: Central 6565 (10 *lines*). *Telegrams: "Chemicus, Estrand, London."*

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ESTABLISHED 1846 *Telephone Nos.: CITY 2283 & 7477*

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—FINSBURY PARK (NEAR).—General Retail Business with excellent Panel; established 1870; turnover last year £1,564; net profit £380; certified figures; heavy stock; excellent living accommodation; rent only £70 per annum; inclusive purchase price required £850 all at, or near offer; vendor buying another business.

2.—READING.—Owing to the decease of Mr. Herbert Dyson, his Good-class General Retail Business is for immediate disposal; turnover about £2,700 per annum; full particulars upon application; new lease; sole agents.

3.—FINCHLEY (NEAR).—Family Retail Business; takings for last completed financial year £2,300; chartered accountant's figures; splendid living accommodation; National Cash Register; inclusive purchase price £1,450.

4.—HACKNEY.—Middle and Working Class Cash Retail Business; takings, present rate, about £28 per week; good profits; stock worth about £600, can be reduced to suit purchaser; excellent house over; no reasonable offer refused; **part payment terms entertained.**

5.—HARROW (NEAR).—Family Retail Business with Photographic and small Panel connexion; turnover last year £1,360; gross profit 33·7 per cent.; stock worth approximately £400; very nicely fitted pharmacy with modern living accommodation over; purchase price required £200, plus stock and fixtures at valuation.

6.—NORWICH.—Middle-class Retail Business occupying excellent position; takings £1,672; N.P. £413; chartered accountant's figures; stock £500; inclusive purchase price £750.

7.—EXETER (NEAR).—Chemist Business and Freehold premises for disposal; net profit approaches £300 per annum; excellent living accommodation; gas and sanitation; in present proprietor's hands 12 years; stock and fixtures worth about £375; inclusive purchase price £1,350.

8.—CREWE.—For immediate disposal—Middle Class Retail Business; takings average over £18 per week, increasing; stock worth £325; nice living accommodation; rent £65 per annum; purchase price required £160, s.a.v.

9.—BRISTOL.—Middle Class Business; takings this year about £1,600; net profit will approach £400; good living accommodation; rent £68; inclusive purchase price £950.

10.—NORTHANTS.—Middle Class Business; established by Vendor in 1932; takings last year £845 under management; stock £150; good living accommodation with three bedrooms; rent £50 per annum; inclusive purchase price required £250.

11.—STREATHAM.—Main Road Cash Retail Business for disposal at sacrifice price; no sum required for the goodwill; takings average over £60 per week at good prices; stock and fixtures worth a figure in the neighbourhood of £1,000; accountant's figures available; full particulars upon application.

12.—CAMBS (RETIREMENT VACANCY).—Good Middle Class Business; turnover last year £1,200; net profit £306; stock and fixtures worth £450; nice living accommodation; new lease; inclusive purchase price required £800; scope for younger man.

13.—YORKS (WEST RIDING).—Exceptional opportunity for young man; Middle-class Business; well-established; takings last year £1,863; stock and fixtures worth £450; rent £30 per annum; inclusive purchase price asked £550, or valuation terms entertained.

14.—NORTH WOOLWICH (RETIREMENT VACANCY).—Cash Drug Store showing a net profit of approximately £300 per annum; proper books kept; rent of shop only £21 per annum; attractive fixtures and good, clean, saleable stock; sacrifice price—£400; excellent opportunity for young qualified pharmacist.

15.—FOREST HILL (DEATH VACANCY).—Cash Retail Business for immediate disposal; turnover over £1,300 per annum; scope; leasehold premises also for sale; ground rent £10 per annum; lease 36 years unexpired; stock and fixtures worth about £375; inclusive purchase price of business and property £950, or offer; a lease might be granted; offers invited.

16.—HASTINGS.—General Retail Business; increasing turnover; net profit exceeds £400 per annum; nice living accommodation; heavy stock; minimum purchase price £1,000. Increasing turnover.

17.—GLOUCESTERSHIRE.—General Retail Business for sale owing to continued ill-health; turnover last year £1,200; gross profit £420; stock and fixtures worth £600–£700; very nice living accommodation with garden; rent only £60 per annum; low purchase price.

18.—GOLDERS GREEN (NEAR).—Main-road High Class Dispensing Business; takings exceed £2,750 per annum; gross profit over £1,100; accountant's figures available; stock worth about £600; rent £200; sublet £90; offers invited; Vendor going in for Medical.

19.—BARNET (NEAR).—High Class Dispensing Business; takings last year £2,260; net profit £456; handsome mahogany fixtures; good, clean, saleable stock; excellent living accommodation; reasonable rental; inclusive purchase price required about £1,450, or valuation terms entertained.

20.—EPSOM (NEAR).—Branch Business for immediate disposal; takings average about £2,000 per annum; net profit at least £400 to managing proprietor; handsomely fitted pharmacy in main road, very close to station; good, clean stock; modern living accommodation; in order to sell immediately the Vendors would consider a close offer to £750.

21.—WESTCLIFF-ON-SEA.—Main-road Middle Class Family Retail Business for sale owing to family reasons; takings last year £1,775; gross profit £640; stock worth £600; inclusive purchase price £900; modern flat over.

22.—CROYDON.—Middle and Working Class Cash Retail Business; established 75 years; takings last year £1,466; net profit £338; accountant's figures; stock and fixtures worth £550; inclusive purchase price required £850 or near offer.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate, Sales by Auction

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants

ERNEST J. GEORGE & Co.

Bank Chambers, 329 High Holborn, London, W.C.1
Telephone Nos.: Holborn 7406 & 7407 (2 lines)
County Bldgs., Bridge St., Walsall Telephone: Walsall 3774

Lancashire and District Representative: Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone: Great Moor 2405

(C1) CAMBRIDGESHIRE.—Established Good-class Dispensing Business, with genuine scope; turnover (certified) for last financial year £2,379; gross profit £990; net (to owner-proprietor) £686; price £1,800, including stock £750, and fixtures £300–£350; valuation terms if preferred; very near offer considered.

(C2) KINGSWAY (NEAR).—Good-class Business, occupying strategic position in very busy thoroughfare; increasing turnover; returns for current financial year should exceed £6,000, and the busiuess has by no means reached its zenith; rent £600, plus rates; quick sale essential for genuine reasons, which can be fully explained at an interview, and owner is prepared, in consequence, to sell at a sacrifice; full particulars upon applicatiou.

(C3) PRESTON.—Good profit-earning Business, with steadily increasing turnover; returns for 1936, £1,167; 1937, £1,261; N.H.I. 600–700 scripts monthly; property can be purchased or taken on lease at a rental of £52 per annum; stock and fixtures estimated at £450; price all at £600.

(C4) WEMBLEY (NEAR).—Steadily increasing Business situated in growing residential district; no near opposition; sub-post office producing good income; two flats at present sub-let; excellent scope; now doing upwards of £1,500 per annum, exclusive of Post Office remuueration; price £1,100 or near offer.

(C5) ALBANY PARK (NEAR).—Steadily increasing Business, with self-contained flat above; turnover for year ended December, 1936, £1,601; 1937, £1,925; gross profit £654; rent £150; lease about 16 years to run; price £650 all at.

(C6) FLEET STREET (NEAR).—City Business with steadily increasing turnover, uow at the rate of £40–£45 per week; no week-end duty; good scope; price £750 all at, or reasouable offer; genuine reason for selling, which we can substantiate.

(C7) ENFIELD.—Good-class Business, with no near opposition; owner must sell immediately as he is waiting to take up a position and is prepared to dispose at a big sacrifice; turnover approximately £1,300 per aunum; excellent modern flat; stock and fixtures estimated at £500; **price all at for immediate transaction £525.**

(C8) BOURNEMOUTH.—Cash Business, very easily conducted; turnover for 1937, £1,264; net profit £317; good living accommodation with garage; rent £110; rates £20; price £850, including stock £300, and fixtures, which cost initially £500.

(C9) ELEPHANT AND CASTLE (NEAR).—Old established, occupying prominent position in busy main thoroughfare; turnover approximately £4,000 per annum; gross profit about 40 per cent.; stock and fixtures at valuation, plus about £700 for goodwill, offers considered; **part might remain.**

(C10) LONDON, S.E.1.—Branch Business in working-class district; living accommodation with separate entrauce; turuover for 1936–37, £2,026; gross profit £778; reasonable rental; long lease; price £500–£600 all at, **part of which might remain.**

(C11) HARROW ROAD.—Branch Business occupying main road position; turnover £25–£30 weekly; rent entirely covered by income from sub-letting; price for quick sale £450 all at, including stock £250.

(C12) HEREFORDSHIRE.—Old-established, middle-class Business, with excellent scope under personal proprietorship; present returns average approximately £1,000 per annum; living accommodation with four bedrooms, etc.; reasonable rental and purchase price; open to offer.

(C13) KING'S CROSS (NEAR).—THIS WEEK'S BARGAIN.—£200 cash aud small balance by arrangement, will purchase growing Business showing certified net profit of £325 for last financial year; turnover £1,107; gross profit £521; rent and rates £80; no Suuday duty; owner selling at big sacrifice owing to having accepted a lucrative offer in the north, which must be taken up immediately; any reasonable offer will, therefore, be considered; full particulars upon application.

(C14) ILFORD.—Lock-up Pharmacy with no near opposition; turnover approximately £1,200 per annum; rent £85; scope for substantial increase; stock and fixtures estimated at £600; no goodwill asked, and offers considered as quick sale is desired.

(C15) STOKE NEWINGTON.—Old-established Family Business with increasing turnover, now at the rate of approximately £1,500 per annum; extensive living accommodation, which could be converted into two flats if desired; garden and garage; rent £90; long lease (inside repairing only); price £800–£900; **£500 or near down and balance by arrangement; offers considered.**

(C16) BARNET—Middle-class Business situated in populous district; turnover for 1936–37, £1,343; good living accommodation, with four bedrooms, bathroom, etc., rent £70; rates £29; price £750 all at.

(C17) BUCKS.—Middle- and Working-class Business with good D. and P.; turnover for 1936–37, £1,162; premises occupy corner position on main road; rent £75; no near opposition; goodwill and fixtures £450; stock at valuation (estimated at £260).

(C18) CLAPHAM (NEAR).—Exceptional opportunity for enterprising Chemist to acquire spacious lock-up Pharmacy with very extensive frontage; excellent position; now doing at the rate of about £1,800 per annum; for a quick sale owner will accept the very low figure of £950, **£400 of which could remain for payment at the rate of £100 per annum, plus interest at 5 per cent.**; immediate application advised.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates

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THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED
(Business Agency, Transfer & Valuation Department)
KIMBERLEY HOUSE, Holborn Viaduct, LONDON, E.C.1 *and at* EXCHANGE CHAMBERS, 2 Bixteth St., LIVERPOOL.
PARKIN S. BOOTH, Valuer. *Tels.: CITY 3691* (4 lines).
VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.
Enquiries Invited.

BUSINESSES FOR DISPOSAL

BIRMINGHAM.—Unusual opportunity for young Qualified man to secure business in industrial area; good N.H.I. and P.A.; full wine licence; turnover last 12 months averaged over £29 weekly; easily worked; exceptionally low overheads; proprietor would arrange easy acquisition of property or accept low rental; value of stock to suit purchaser; whole ingoing need not exceed £500; as an alternative, proprietor would consider manager with view to early succession. Apply Ernest J. George & Co., 35 Bridge Street, Walsall.

CORNWALL.—Attractive established seaside Chemist's and Optician's Business, showing excellent profits, together with a sub-Post Office, salary £180 per annum; good living accommodation; splendid position; part purchase can remain. Particulars, Champion, Agents, Camborne.

LONDON, S.E.—Drug Store for Sale in busy main thoroughfare with weekly turnover of £23-£24, increasing; good clean stock; as owner must sell immediately for special reasons, sale at value of stock and fixtures only will be accepted from first offer; rent 35s. per week inclusive; genuine bargain. 197/100, Office of this Paper.

LONDON, S.W.—Drug and Surgical Store; busy main road thoroughfare; fairly stocked and neatly fitted; established 5 years; very low rental; lock-up shop; price asked for quick sale owing to ill-health £150, of which part could remain; weekly takings average £10-£15; further particulars on request. 199/7, Office of this Paper.

MIDLAND County Town; age retirement; middle-class business, main road, near several large engineering works; established over 60 years, only changed hands once, present owner 26 years; well fitted Pharmacy, small house with cellar, now used as stock rooms, yard and back entrance; good stock, well kept; over 7,000 N.H.I. prescriptions 1937; three doctors near; gross profits £368; overheads very low; rent £25; ten years lease to go. Offer or inquiry wanted. 198/8, Office of this Paper.

NEAR TO COLLIERS WOOD.—A middle working-class Business in a residential area; turnover £1,200; rent £80, rates £16; modern house attached, at present sub-let; Kodak, Selo and Ucal Agencies; N.H.I. 250-300 monthly; £250 down and remainder by arrangement, all at £525; genuine reason for selling. 199/2, Office of this Paper.

NOTTINGHAM.—Old-established Chemist's Business in populous residential suburb; splendid position in heart of shopping area and close proximity to many leading multiple traders; fixtures and stock at valuation; own freehold premises, but would let on lease. Further particulars apply W. H. Harlow & Son, 14 Lower Parliament Street, Nottingham.

SUSSEX COAST.—Family Business of the old-fashioned type; rather neglected the last year or two through health; present returns £1,400; good profits and great scope for increase; held on lease; comfortable living accommodation; Kodak, etc.; price about £1,050-£1,100. Apply 199/48, Office of this Paper.

WEST OF ENGLAND.—Well-established business, conveniently fitted and well stocked; ample premises; lock-up; growing district; good reasons disposal; cash buyer only. 185/6, Office of this Paper.

COMPULSORY sale for personal reasons; nice shop, well stocked; best position in residential district; unopposed; Eastern Counties sea resort; two-roomed modern flat over shop; side door, etc.; low rent; for £125. 199/54, Office of this Paper.

PHARMACIST leaving Retail and has old-established Business for immediate disposal; London, S.W.; turnover £1,400 per annum, and as stock and fixtures will otherwise have to be removed, purchase price under s.a.v. will be accepted for quick sale; to a chemist looking for a bargain this presents a unique opportunity. 197/10, Office of this Paper.

BUSINESSES WANTED

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

JOHN STANLEY, LTD., 196 Station Road, Edgware, are interested to receive details of businesses for sale, preferably in the North, North-West and West districts of London, with minimum turnovers of from £2,500 per annum. Write, giving full details.

PRIVATE Chemist disposed of own business requires good-class business, country or town in South of England, Midlands; returning £3,000-£3,500 yearly; no Optics; must stand every investigation. Full particulars in confidence to 198/7, Office of this Paper.

SEVERAL good Businesses in the London area required immediately, preferably North, North-West or West districts; capital up to £10,000 available; minimum net profit under owner-proprietor £500 per annum; prospective vendors are invited to communicate initially, and in strict confidence, with Ernest J. George & Co., 329 High Holborn, London, W.C.1. Telephone: Holborn 7406/7.

PREMISES TO LET

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

AN Opportunity for Cash Chemist at Edmonton, 1 minute from station, in a parade of shops, with flat over (self-contained); rental only £156 per annum, exclusive; no premium. Apply W. T. A., 17 Delhi Road, Bush Hill Park, Enfield.

SHOP to Let in attractive parade near Sidcup; Grocer, Tobacconist, Confectioner, Greengrocer and Electrician already trading; for Chemist this is a grand opportunity; rent low; excellent living accommodation; shopfront provided. Apply, the Owner, 27B Devonshire Street, London, W.1.

UNIQUE POSITION FOR CHEMIST.—Most desirable position available for Chemist in shopping parade of block of 110 high-class flats; immediately adjacent to modern super cinema and closely surrounded by a large number of high-class residences and other smaller blocks of flats; facilities for tenant to establish himself given by the owners. Apply Swiss Cottage Developments, Ltd., 14 Stockleigh Hall, Albert Road, N.W.8.

£60 PER ANNUM, plus rates for the first 3 years; 10,000 possible customers for a big shop close to a popular Tube station in a rapidly developing district; landlords will fit a shop front for an approved tenant. For appointment to view and discuss details, write or 'phone sole agents, Eaton & Partners, Surveyors, 8 Morden Court Parade, London Road, Morden. Mit. 4176.

APARTMENTS

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

AGENCIES

WANTED.—Distributing Agent to handle Proprietary Line in Eire. Reply, giving full list of representations and facilities, to 197/18, Office of this Paper.

TENDERS

ROMFORD JOINT HOSPITAL BOARD.

THE above Board invite tenders for the supply of DRUGS (PROPRIETARY ARTICLES) and SURGICAL DRESSINGS, for a period of twelve months commencing on July 1, 1938.

Form of tender may be obtained on application to the undersigned.

Quotations are also invited for the supply of Drugs (Dispensary), Laboratory Chemicals, and Laboratory Equipment for the same period.

Firms desiring to quote are invited to submit their price lists, together with their discount quotation off list prices.

T. W. A. GREENHALGH,
Clerk to the Board.

Isolation Hospital,
Rush Green,
Romford.

APPOINTMENTS

COUNTY BOROUGH OF WEST HAM.

PUBLIC ASSISTANCE COMMITTEE.

APPOINTMENT OF DISPENSERS (2).

APPLICATIONS are invited for the appointment of DISPENSERS, one at Central Home, Union Road, Leytonstone, E.11, the other at the Public Assistance Sub-Office, Cumberland Road, E.13. Salary in each case £300 per annum.

Candidates must be registered as Pharmaceutical Chemists or as Chemists and Druggists, and preference will be given to those who have held a similar position. The persons appointed will be required to devote their whole time to the duties of the post

The successful candidates will be required to pass a medical examination, and the appointment will be subject to the provisions of the Local Government and other Officers' Superannuation Act, 1922, or to the Poor Law Officers' Superannuation Act, 1896, and the statutory contributions will be deducted from the salary, and also subject to the Council's regulations as made from time to time relating to sick pay, holidays, etc.

Forms of application can be obtained from the Medical Officer of Health, Public Health Department, 88 Romford Road, Stratford, E.15, or will be forwarded upon receipt of a stamped addressed foolscap envelope, and must be returned to the undersigned not later than June 30, 1938.

Canvassing members of the Council is prohibited and will disqualify.

CHARLES E. CRANFIELD,
Town Clerk.

Public Assistance Offices,
Union Road,
Leytonstone, E.11.

June 3, 1938.

OUTDOOR CANVASSER REQUIRED

FOR the Circulation Department of THE CHEMIST AND DRUGGIST. Applicants should be young, Qualified, unmarried, keen and energetic, and have a sound knowledge of Retail Pharmacy and the Drug Trade generally. Possession of car would be an advantage. Written applications (in the first instance), giving full particulars, to 327/895, Office of this Paper.

SITUATIONS OPEN

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BATH.—Young Qualified Assistant required in high-class Retail and Dispensing business; experience of Surgical Appliance Fitting preferred but not essential; permanency to right man. Send full particulars age, experience, wages required, etc., to Dickinson, c/o Wilson & Dickinson, Chemists, Bath.

BILLERICAY, ESSEX.—Wanted at once, as Manager for Pharmacy; N.H.I. Dispensing, knowledge of Photography. Call or write to W. A. Rees, 49 High Street, Billericay, Essex.

BIRMINGHAM.—Junior Unqualified Assistant required; opportunity for smart man. Write, with details, to 327/902, Office of this Paper.

BIRMINGHAM.—Manager required for business in industrial area, with a view to early succession if mutually agreeable; turnover average about £30 weekly; low rental; could subsequently be acquired on very favourable terms owing to health and other commitments of proprietor. Apply Ernest J. George & Co., 35 Bridge Street, Walsall.

LONDON COUNTY COUNCIL.—Assistant Pharmacists (men or women) (part-time), age under 40, required for the mental health services; vacancies at (i) Banstead Hospital (L.C.C.), Sutton, Surrey; (ii) Horton Hospital, Epsom, Surrey; (iii) Long Grove Hospital, Epsom; (iv) West Park Hospital, Epsom; (v) Caterham Hospital (L.C.C.), Caterham, Surrey; (vi) Leavesden Hospital, Abbots Langley, Herts; must possess Pharmaceutical Society's qualification; salary £130 a year; hours, 21 a week (morning sessions only); non-pensionable. For application form, returnable by June 21, send stamped addressed foolscap envelope to Chief Officer (B/A), Mental Hospitals Dept., Shell-Mex House, Strand, W.C.2. Marriage terminates service in case of women. Canvassing disqualifies.

LONDON.—Qualified Assistant required, able to take charge. Apply, with usual particulars, to 199/19, Office of this Paper.

LONDON, N.E.—Qualified Gentleman required for good-class Pharmacy; comfortable and permanent situation; adequately staffed to cope with brisk N.H.I. and Counter trade. Please give usual particulars in first letter. 199/36, Office of this Paper.

LONDON, W.1.—Wanted, Qualified Assistant (Male) for Dispensing business near Harley Street; permanency. Please apply, giving full particulars of experience, salary required, and when disengaged. 199/42, Office of this Paper.

SHEFFIELD.—Unqualified Assistant, with experience in high-class business, for Counter, Window-dressing and Photography; in first letter give age, height and state where and duration of each post held. Enclose recent photograph, state salary required and when at liberty to Mr. Austen, Newsholme's, Ltd., 27 High Street, Sheffield.

SURREY.—A young energetic Junior Lady Assistant required for quick Cash Business; tactful Saleswomau, able to assist in Dispensing and to keep books and accounts. State age, height, experience and salary (outdoors). 199/23, Office of this Paper.

ASSISTANT required, male; must be an experienced Dispenser; to commence at once. All particulars to be forwarded to J. J. Thomas & Son, 54 Drake Street, Rochdale.

DISPENSING Lady, Hall, required by firm of Doctors; shorthand typist preferable. Apply, giving full particulars, salary required, to Drs. Forsyth, Norman, Sells and Blaxill, 9 King's Road, Westcliff-on-Sea, Essex.

JUNIOR Assistant required for good-class Dispensing and Photographic business; state age, salary and give references; photo if possible. Apply W. H. Woodman, Chemist, Burnham-on-Sea.

JUNIOR Assistant (19-24) wanted as soon as possible; experienced Window-dresser. If application by letter, state fullest particulars of experience, photo, etc. Hudson, 164 Notting Hill Gate, W.11.

JUNIOR, Unqualified, outdoors, wanted, middle of September; easy hours; no N.H.I. Apply, stating salary, R. Deck, 30 Regent Street, Cambridge.

LADY Assistant, Hall Qualification, for Retail, county town, 30 miles from London. State salary, experience, etc.; permanency if suitable. 199/27. Office of this Paper.

LADY Assistant required, Unqualified, with experience in Dispensing, etc.; London suburb. State full particulars and salary wanted to 327/900, Office of this Paper.

LADY Assistant, Unqualified, for Dispensing and Counter work. Apply, stating age, experience and salary, to C. H. White, Ltd., 173 Oldbury Road, Smethwick.

LADY Assistant, Unqualified, required for Pharmacy Department in Redditch; Dispensing and Counter experience essential, with multiple firm preferred. Apply immediately by letter, stating age, salary required, and full particulars, to 197/11, Office of this Paper.

LADY Dispenser, experienced (over 25 years preferred), required as Dispenser and Receptionist in general practice, about July 1. Apply, with copies of references, to Drs. Hope, Simpson and Jameson, 105 Victoria Street, St. Albans.

LADY M.P.S. REQUIRED IMMEDIATELY

NORTH WALES Coast; permanency; very light duties; as Senior Assistant and to take charge occasionally during owner's absence; a comfortable progressive post. Apply, with full particulars and salary required, 197/1, Office of this Paper.

MANAGER required for good-class West End business (age not under 30). State salary and experience to 199/51, Office of this Paper.

MANAGER, Unqualified, married, energetic, to organise and develop cheap price and up-to-date Drug Store; good Buyer; no Photographics; permanency with succession later; good house and garden available; first-class references essential; guarantee wanted; near London. Apply 327/898, Office of this Paper.

M.P.S. Required for Peterborough district; young, keen, energetic, for Dispensing and Counter, etc.; middle-class business. Apply, with full particulars, 199/49, Office of this Paper.

QUALIFIED and Toilet Assistants (male and female) required at once; permanency; must be good at Counter and smart appearance; good references essential. Write or 'phone, giving particulars of age, experience and salary required, to John Stanley, Ltd., 196 Station Road, Edgware. Telephone: Edgware 0614.

QUALIFIED Assistant, experienced Dispenser, for Central London Pharmacy; good prospects. Apply "A.," 327/897, Office of this Paper.

QUALIFIED Assistant required for branch near Wolverhampton; Dispensing, Counter and Window-dressing; no half-day or Sunday duty. State age, salary, experience, references, etc.; June 20. Also Locum, same date (4 weeks). 199/22, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

QUALIFIED Assistant by July 11, to manage branch (age about 30). Apply Patterson, Chemist, Claygate, Surrey.

QUALIFIED Assistant wanted at once (Somerset). State age, height, experience and salary required and enclose references with first application; permanent post for suitable applicant. 199/9, Office of this Paper.

QUALIFIED for usual duties, Counter and Dispensing; East London; salary £4-£5. Please give full particulars to 327/903, Office of this Paper.

QUALIFIED Lady Assistant required; must be experienced, quick and accurate Dispenser. Forward all particulars to J. J. Thomas & Son, 54 Drake Street, Rochdale.

QUALIFIED Man for Branch City Shop; tall, good appearance, energetic Salesman; good Photographic knowledge preferred; sober and honest. Apply in writing, with photograph, stating age, experience and salary required, Galloways, Victoria Square, Birmingham.

QUALIFIED Man required, 3 or 4 afternoons weekly, and if possible Saturdays also; light duties only. Please state age, time available, and when free for interview. Barkers, Chemists, 221 Upper Tooting Road, S.W.17.

QUALIFIED Manager wanted at once to open new Drug Department in Department Stores, S.E.; sole responsibility; good knowledge of Buying, Optical Qualification advantage; excellent post for energetic man; bonus on profits. Please write stating age, salary, experience and references. P.C.B. 285/22, Office of this Paper.

REQUIRED, energetic Manager (25-35), for busy shop in centre of city; all-round experience, particularly in Display, Stock-keeping and Service, essential; applicants should give fullest details of experience, salary desired, etc., with photo if possible. Also young lady with Pharmacy training but interested in Toilets, to take position as Assistant at a branch. Apply Wands, The Leicester Chemists, 12 Haymarket, Leicester.

UNQUALIFIED Assistant (male) required for permanency; capable, energetic and used to quick N.H.I. Apply personally or in writing to O. Tobin, Ltd., 49 Harford Street, Mile End, E.1.

UNQUALIFIED Assistant required for middle-class business; permanency for efficient man, who must be good Dispenser and keen Salesman; pleasant working conditions. Apply or write, T. H. Wilson, 741 Barking Road, Plaistow, E.13.

UNQUALIFIED Junior Assistant, male; experienced in Dispensing and Counter. Send full particulars, age, height, experience and salary required. Crawford, Chemist, Horley, Surrey.

WANTED.—A Qualified Chemist; thoroughly honest and trustworthy; good Salesman and Window-dresser; smart appearance. Write, stating age, salary, experience, copies of references, when able to commence, to 77 High Street, Camden Town, London, N.W.1, or call personally.

WANTED at once, Assistant for a good-class Dispensing and Counter business; good references essential. Give full particulars of age, experience, photo and salary required to W. F. Cole & Sons, Chemists, Lowestoft.

WANTED at once, Qualified Assistant (male) for quick Retail and Dispensing business in West Central district. Apply, with full particulars 199/10, Office of this Paper, or 'phone Temple Bar 8920.

WANTED by the Peterborough Co-operative Society, Ltd., Peterborough, a Qualified Chemist-Optician as Branch Manager; questionnaire to suitable applicants will be forwarded upon request.

WANTED, Qualified Assistant, lady or gentleman; permanency; Dispensing, Counter and Window-dressing; smart appearance; good references essential; give particulars of age, salary and experience. E. Fisher's, Ltd., 2 Sherrard Street, Melton Mowbray.

YOUNG Qualified Assistant (male) required at once. State age, height, experience and salary required, and enclose photograph and references; also when disengaged; permanent post for suitable applicant. Corn Square Pharmacy, Leominster, Herefordshire.

YOUNG Qualified Chemist required as Senior Assistant in central Pharmacy. Applications, stating age, experience and salary required, should reach the Secretary, Pontefract Industrial Co-operative Society, Woolmarket, Pontefract, not later than Tuesday, June 14.

VACANCIES FOR LOCUMS

BRIDLINGTON.—Unqualified Assistant (under 30) required immediately until end of season; must have good Counter manner, knowledge of Photography, Toilets and Dispensing, etc. Apply, stating age, experience, height, salary expected, and enclose recent photograph. Hedley, Chemist, 19 Bridge Street, Bridlington.

CROMER.—Unqualified Assistant, with Photographic and Dispensing knowledge, required for about ten weeks, July-September. Apply, stating age, experience and references, Shewell (late Hoare), Chemist, Cromer.

ISLE OF WIGHT.—Locum, with all-round experience, required for about three months, as Season Assistant; give full particulars, photo and salary required. Giles, Chemist, Totland Bay.

LONDON, S.E.—Wanted as L.T. or relief, a Lady or Gentleman (M.P.S.), at present disengaged; this may lead to a permanent engagement. Apply by letter to Hay, 225 Goldhurst Terrace, South Hampstead, N.W.6.

ASSISTANT with experience of middle-class trade and N.H.I. Dispensing, for Holiday Relief Work; about three months; Qualification not essential; give particulars of experience, names of references, age, when disengaged, salary expected. Apply (letter only), Chemist, 300 Amhurst Road, London, N.16.

RELIEF Worker, Unqualified, for small Drug Store (Surgical, Toilet and Photo) for 5 or 6 weeks preceding September 12; to relieve owner and take charge 14 days during owner's holidays; no Dispensing; references will be required. State salary and date available. "Berkshire," 199/33, Office of this Paper.

REQUIRED, July 18 to September 24, quick and accurate Dispenser, with Photographic experience; high-class Pharmacy; interview preferred, or send photo, recent references and full particulars, salary expected. F. G. Curtis & Son, 94 Sandgate Road, Folkestone.

TEMPORARY, Young, Unqualified Assistant (either sex) wanted for July, August and September. Storie, 181 High Street, Hornchurch, Essex.

TIMOTHY WHITES & TAYLORS require Unqualified Assistants on South Coast for Relief Duties; view permanencies. Apply, giving full particulars, to Retail Staff Manager, 70 Vauxhall Bridge Road, S.W.1.

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LIVERPOOL.—Wanted, Unqualified Assistant to fill Junior Executive position (age 25-30); must be fully experienced and able to exercise qualities of leadership; good prospects. State age, references and salary expected. 197/8, Office of this Paper.

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